CHEMIST AND DRUGGIST

for RETAILER — WHOLESALER — MANUFACTURER

JANUARY 6, 1951



Index to Advertisers pp. 5 & 6



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THE restrictions on 'Chloromycetin' previously imposed by the Ministry of Health have now been removed and the new antibiotic may be prescribed for any of the wide range of infections which respond to this drug.

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CHEMIST AND DRUGGIST

for RETAILER — WHOLESALER — MANUFACTURER
JANUARY 6, 1051

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NEWS OF THE WEEK

Pharmaceutical Conference Donations.—The following donations have been made by the Glasgow local committee from the surplus funds of the British Pharmaceutical Conference, 1950:—£20 to local branch prize fund; £20 to Pharmaceutical Society's Orphan Fund and £25 7s. 3d. to the Benevolent Fund.

Amended Ophthalmic Regulations.— Regulations contained in S.I., 1950, No. 2092, provide that, from February 1, any ophthalmic optician who has prescribed additional lenses or glasses to those which are necessarily required by a patient may have their cost deducted from his remuneration. Copies of the Order may be obtained from H.M. Stationery Office.

Influenza Epidemic.—A mild type of influenza is fairly widespread in the north of England. The south, so far, has experienced it on a much more limited scale. Chemists in Liverpool and Manchester areas worked overtime to cope with the extra prescriptions. For the week ended December 23, 1950 the number of deaths

from influenza in England and Wales was fifty-four, compared with thirty-three in the previous week.

Token Import Scheme.—The Board of Trade announces that it has been decided that the Token Import Scheme is to be continued in 1951 for the same countries and the same commodities as in 1950. The annual quota will, however, be increased from 20 per cent. to 40 per cent. by value of each manufacturer's average annual trade in 1936-1938 with the United King-

C. & D. DIARY AND YEAR-BOOK, 1951

SUBSCRIBERS are reminded that, owing to the recent printing trade dispute, issue of the Diary is much delayed (see C. & D., December 30, 1950, p. 749). They are asked not to make inquiries, either by letter or by telephone, about delivery.

dom in the commodity in question. In addition, in instances where a manufacturer in one country has ceased to make a commodity for which he is, or was, entitled to a quota under the Scheme, his quota may be allocated to other manufacturers of that commodity in that country, whether or not they have been qualified to participate in the scheme hitherto. Applications from importers for import licences can be given consideration only when accompanied by the relative documents obtained by their suppliers from the appropriate overseas authority.

Tar Confederation Officers.—The officers of the Confederation for 1950-51 are: President, Colonel H. C. Smith; Treasurer, Mr. C. E. Carey; Chairman of the Executive Board, Sir Walter Benton Jones, Bart.; Vice-chairmen Mr. W. K. Hutchinson and Major A. G. Saunders.

Executive Councils Association.—The Executive Councils Association (England), at its third annual meeting recently, decided to refer back to its management Committee a resolution, previously submitted in December 1949 by the Liverpool Executive Council, that a nominal charge should be imposed for medicine bottles and refunded upon their return in clean condition. The Committee had recommended that no action should be taken. A paragraph on the agenda dealing with payment delays to chemists was received and adopted. The following notice of motion was taken in conjunction with this paragraph: "That urgent representation again be made

to the Ministry of Health to effect a revision in the system for pricing prescriptions, together with an immediate and substantial reduction in the arrears of pricing."

Mr. A. N. Wright, J.P., was installed President and Mr. H. C. Brown Vice-

president.

British Association of Chemists.—The annual meeting of the British Association of Chemists was held in London recently, Dr. H. Levinstein (retiring president) in the chair. The annual report of Council stated that a conference of section secretaries, held earlier, had proved valuable in achieving co-ordination between the sections and head office, and it was hoped to hold a similar conference annually. Membership had been maintained but an appeal was made for increased membership. The Hinchley medal, commemorating the work of the late Professor J. W. Hinchley (a founder-member of the B.A.C.), was presented to Dr. F. W. Kay (also a founder-secretaries).

member and the first registrar of the Association). The officers elected for the ensuing year were:—President, Major R. P. Porter; Vice-presidents, Dr. H. Levinstein, Messrs. Norman Sheldon, G. T. Gurr and T. McLachlan; Treasurer, Mr. H. R. Neech; Secretary, Dr. F. W. Kay; Registrar, Mr. H. L. Howard.

Distribution and Production Censuses. -Forms for the first census of distribution (see C. & D., 1950.II.699) were posted to retailers, wholesalers, etc., during the first week of January. The census covers all wholesale and retail distribution. Manufacturers will not be required to furnish returns unless they have a separate selling organisation, or sell by retail, or sell by wholesale goods not of their own production. A preliminary notice of the scope of the census of production to be taken in 1952 in respect of 1951 and the information to be obtained have now been settled. All establishments within the field of production are to be included and the statutory form of return will include questions on (1) working proprietors; (2) employment; (3) wages and salaries, etc.; (4) plant, machinery and vehicles; (5) new building work; (6) power equipment and fuel usage; (7) shift-working; (8) materials and fuel purchased; (9) work given out; (10) stocks at the beginning and end of the year; (11) output; and (12) transport payments.

Export Licensing Changes.—The Board of Trade has announced that the following commodities are added to Group 13. First Schedule, Export of Goods (Control) (Consolidation) Order, 1949, and do not require licences after December 18, 1950: -Aletris root, angostura bark, balm of gilead buds, bayberry bark, bloodroot, condurango, cottonroot bark, deers' tongue leaves, echinacia root, gelsemium root kava kava, matico leaves, passion flower herb, picrates, picric acid, pleurisy root poke root, prickly ash bark, rhus aromatic sabadilla seeds, san palmetto berries, skullcap herb, simaruba, sodium cyanide (no less than 90 per cent. pure), stillingia root stone root, tantalum compounds, tungster compounds, white pine bark, yerba santa The following items in Group 13 are de leted: - Carbromal; cinchona; creosote wood (and mixtures consisting mainly o wood creosote); diastase, ephedrine and its salts; gobe acid and its salts and pre parations; glycine; krawerra root; phen acetin. The amending order is published as S.I., 1950, No. 2017.

Cortisone and A.C.T.H. Supplies. -The Ministry of Health has inaugurated a plan to distribute monthly to fifty hospitals throughout the country, for use at their discretion, 6 gm. of cortisone and 3 gm. of A.C.T.H. The hospitals have been selected, so far as possible, on a population basis, and comprise twenty-two undergraduate and two post-graduate teaching hospitals, and non-teaching hospitals named by Hospital Regional Boards. The hospitals have been asked to inform the Ministry of the types of cases on which the drugs are used but no detailed reports are required. The scheme is separate from the research now being undertaken by the Medical Research Council, and is intended to give doctors an opportunity of conducting field work with these new and scarce hormones. whole of the cortisone distributed under the scheme is being imported from the United States, but some of the A.C.T.H. is coming from the Airdrie, Glasgow, factory of Organon Laboratories, Ltd., which company is now producing A.C.T.H. on a commercial basis. Because the supplies of the drugs are so small the Ministry has decided against disclosing the names of the recipient hospitals.

Royal Society Awards.—The Royal Society has made the following awards for 1950. The Copley Medal to Sir James Chadwick for his pioneering researches on the constitution of matter (including his demonstration of the existence of the neutron); A Royal Medal to Professor Carl Frederick Abel Pantin for researches in the comparative physiology of inverte-brates; the Davy Medal to Sir John Lionel Simonsen for contributions to the chemistry of the essential oils. In over two hundred memoirs, Sir John has described the isolation of new members of the plant hydrocarbons and their oxygen derivatives, the determination of their molecular structures, and related synthetic experiments, and has discussed the mode of formation of some of them in vivo. In 1920 he discovered the first naturally occurring representative of the bicyclic hydrocarbon carene, d-3-carene from Pinus longifolia; he later made the first observation of the natural occurrence of ∝-thujene which he found in the oil from Boswellia serrata, recorded the occurrence in nature of sesquiterpene ketones (in the oil from Eremophilia Mitcheli), assigned structural formulas to them and proved they were an exception to the "isoprene rule."

Kev Industry Duty. — A Statutory Instrument (1950, No. 2085), effective from January 1, adds the following chemicals to the list of chemicals liable to Key Industry duty:-

Amidone and its salts. Barium dihydroxystearate. Benzotrifluoride, Calcium dihydroxystearate.

R. cetyl myristate, oleate and stearate. Chelidamic acid. Monochlorodifluoromethane. Dicetyl ether.

5:5'-dichloro-2:2'-dihydroxydiphenylmethane. Dichloromonofluoromethane.

N-(2-diethylaminoethyl), N-(2-diethylamine-n-propyl), N-(2-diethylamino-n-propyl, and N-2-dimethylaminoethyl) phenothiazines and salts.

1:1'-diphenyldiethyl ether. N-ethylpiperidin N-ethylpiperidine.

Hexamethonium bromide and iodide, Lithium dihydroxystearate. Mepyramine and salts.

Methanesulphonic acid. Methyl amyl ketone. Nonoic salts. Pentamethonium bromide. Propylene glycol esters. Trichlorofluoromethane.

Trichloromethylphenyl carbinol and carbinyl

Trifluoroacetic acid and undecenoic salts.

(S.I. 1950, No. 2105) effective from the same date, continues the exemption from K.I.D. of ethylene glycol ethers until March 31. It also continues until August 19 the exemption from duty of items exempted by previous Orders which expired on December 31, 1950, with the addition of: ---p-Chlorophenol; dimethylamine; lithium hydroxide; methyl methacrylate; 4-Methyl-pentanol-2; sulphuric acid (R); and zirconium oxide. The following items are deleted: Amyl acetate; anisaldehyde; cocaine hydrochloride; dichlorodifluoromethane; diethylaminoethyl alcohol; noctanol-2; phenylmercury acetate; sebacic acid: and sodium nitrobenzenesulphonate.

LOCAL NEWS

Lymph Issue to Brighton Doctors.— Following the confirmation of several cases of smallpox in Brighton and Hove recently, doctors in the area were issued with sufficient vaccine lymph to treat 16,000 people.

Gift to Hospital. — Gifts collected or made by the employees of Evans Medical Supplies, Ltd., Speke, were presented to the matron of Olive Mount Childrens' Hospital, Liverpool, on December 20, 1950, by Mr. C. E. J. Sendall, M.P.S. (a former director of the company).

Fire Holds Up Dispensing. - Smoke from a fire which originated in the veterinary department of John Bell & Croyden, Wigmore Street, London, W.1, in the early evening of December 29, 1950, caused a temporary suspension of business in the pharmaceutical department,

Chemists' Hours in Plymouth. - At the annual dinner of the Plymouth Branch of the Pharmaceutical Society on December 13, 1950, the vice-president of the Society (Mr. F. C. Wilson) replied to the toast "The Society," proposed by the Lord Mayor (Alderman Mrs. J. Marshall). Referring to a complaint about chemists' hours by the local trades council, he said that their hours were not the concern of that council. The decision lay in the province of the Ministry of Health or the Plymouth Executive Council, More courtesy would have been shown if the letter asking that chemists should stay open until 8 p.m. cach evening had been sent to the local Pharmaceutical Committee and not to the Medical Committee. Pharmacists already worked a 49-hour week, and doctors were required to keep on hand drugs to be used in emergency. In Plymouth, pharmacists provided service, additional to their contract, by arranging facilities from 6 to 7 p.m. each evening, on Sundays, on early closing days and on some public holidays. They were expected to dispense any prescription whatever the hour of the day or night, and there were few pharmacists who refused.

Formularies and Their Compilation .-A meeting of the North Metropolitan Branch of the Pharmaceutical Society was addressed recently by Dr. K. R. Capper (editor, British Pharmaceutical Codex) on the compilation of formularies. were, he said, two views on what should be included in the National Formularythe scientific one that only substances having well marked therapeutic value as indicated by their pharmacological activity and that of the clinician that all widely used preparations should find a place. appealed to pharmacists to record their dispensing experiences with incompatibilities or unusual reactions for the benefit of Several members expressed the opinion that the popularity of many proprietary preparations was due to their pleasant flavour and more elegant formulation. Dr. Capper said that most flavours were either natural products or synthetics, which presented some difficulty in standardisation. Before they could be used in a book of standards it was necessary that this variation should be overcome. tainly in the United States greater attention had been given to choosing the most suitable flavour for a particular drug. Dr. Capper agreed that the metric system was becoming increasingly valuable.

Deficiency in Pharmaceutical Education .-- Describing what he called a grave error in the modern training of pharmacists Mr. Frank H. Swire, Halifax, at the annual dinner of the Halifax Branch of the Pharmaceutical Society recently, said employers now found that newly qualified pharmacists applied for jobs knowing nothing whatever about a chemist's shop. In the past apprentices grew up helpful to the customers who came to the shop for advice and information. Today, the newlyqualified pharmacist was quite unable to cope with such people because he was not trained to do so. That would have to be remedied. In reply, Mr. T. Reid (a member of the Society's Council) said that in making the Higher Schools certificate standard the basis on which newcomers could enter pharmacy the profession had turned its back on the class of the community that had provided pharmacists for many generations. The Society looked to branches for guidance. Recently, however, branches had made a very clear-cut decision that no qualification other than that of the Society should be recognised. His own view was that the Society should concern itself only with registration and leave examining to other bodies. The chairman of the Halifax local Executive Council (Mr. W. G. Hill, J.P.), said that everyone in the country was now having an average of four prescriptions a year. Since 1945 average cost had risen from 1s, 1d, to more than 3s.

IRISH NEWS

Ulster Associates' Committee.—At the December meeting of the Associates' Committee of the Ulster Chemists' Association, Mr. E. G. Mackle, Ph.C., in the chair, the following applications for associateship were approved: Assistants, Messrs. Aidan Mulvey and William J. Blair; Apprentice, Miss N. McKenna. Mr. T. W. Cresswell was unanimously appointed secretary.

Gaelic Football Club Officers.—At a meeting of the Committee of the Chemists' Gaelic Football Club the following officers were elected: Chairman, Mr. P. C. Cahill; Vice-chairman, Mr. Kevin Banks; Treasurer, Mr. T. K. O'Keefe; Secretary, Lieutenant Seamus Fox; Assistant Secretary, Mr. Kieran McGarry. Representative on the County Board, Mr. Peter Cryan; Captain, Brendan McWey; Vice-captain, Mr. Bob Nutty. The Club has maintained its senior status for the season.

TOPICAL REFLECTIONS

Half-Century Survey

Nothing like full justice can be done to your past week's issue (in effect a Special Issue) in the space allotted to me. All I can do here is to offer a few snapshots. Dr. H. Davis's authoritative account of developments in pharmaceutics during the past fifty years (pp. 735-38) includes the remark that "with most of the pharmaceutical research centred in the laboratories of leading manufacturers, the proportion of prescribed proprietaries will inevitably rise." Pharmacists in retail business will have to accommodate themselves to this change, for, as Dr. Davis points out, some of these new products "could not possibly be made on a small scale, or extemporaneously." More about large-scale manufacture can be learned from Mr. John C. Hanbury's article on progress in that industry (pp. 750-53). It is news to me that cannon balls were used to break up the mercury required for unguentum hydrargyri. I remember, however, being taught to triturate that ingredient with a little of the previous batch of the ointment before proceeding further; the old ointment was said to facilitate the incorporation of the mercury. Mr. A. J. Fairlee's reminiscences of retail business are largely in accordance with mine, though I have no recollection of any distribution of baloons. A change-over from crushed linseed to kaolin poultice would have upset the prescribing of one powder for use in a bath; the basic ingredient was a pound or so of crushed linseed.

Conflicts with Vested Interests

In reading "The Course of Pharmaceutical Politics" (pp. 754-57) one is struck by the recurrence of struggles between organised pharmacy and vested interests. At the outset we are reminded of the entrenched position of limited companies, determined by the House of Lords in 1880. No sooner was the 1908 Poisons and Pharmacy Bill converted, after much controversy, into an Act of Parliament than National Health Insurance began to appear on the horizon: this and other campaigns continued to engage the attention of the pharmaceutical community. My impression, on looking up a few old C. & D. volumes, is that governmental attitude during the past half-century has seldom been helpful. In 1901 the tone of letters from the Privy Council was not

merely chilly, as your contributor calls it, but approached the absolute zero of burtemperature. This signed by the Clerk of the Council, is an example: "... I am directed by the Lord President of the Council to request that you will inform the Council of the Pharmaceutical Society that a communication shall be addressed to you when his Grace thinks that the time has arrived at which any useful purpose would be served by the attendance of a deputation with respect to an amendment of the Pharmacy Act." The language is courteous, but the implication is a snub. In 1921 the first draft of Regulations under the Dangerous Drugs Act of 1920 caused intense annoyance: I remember hearing a past-president of the Pharmaceutical Society say that pharmacists were already authorised, under existing Acts of Parliament, to be in possession of and to dispense dangerous drugs. Again, at one of the delegates' meetings held to discuss proposals leading to the passing of the Pharmacy and Poisons Act of 1933, the president mentioned that he "saw red" during an interview in official quarters,

The Paper Shortage

One fact stands out on looking through these articles and others - shortage of paper. Many of our leading 'newspapers have issued statements regretting inability to give their readers the service they wish to give. We who value our trade journals do not know how much we are losing at present. On turning to your two volumes for 1901 I find that they contained respectively 1,044 and 1,062 quarto pages, equivalent to about double that number of pages of your present size. However significant an event may be in the near future, you are not likely to be able to spare adequate space for reporting it; and the present stringency in newsprint affects short reports as well as long ones. Some association and branch meetings, for instance, must be of general interest and even of general importance; but it is obvious that in most cases you have had to cut down to a bare mention whatever notes have been sent to you. Trade news of a legal character and National Health Service news are in much the same case. A serious feature of this enforced scarcity of newspaper contents is that some readers are almost certain to get their focus wrong. Xrayser

COMPANY NEWS

PETROCHEMICALS, LTD. — Mr. P. C. Chaumeton, B.Sc., F.R.I.C., M.I.Chem.E., has been elected a director.

IMPERIAL CHEMICAL INDUSTRIES, LTD.—Mr. Alexander Fleck, D.Sc., F.R.I.C., has been appointed deputy chairman of the company.

BOWMANS CHEMICALS, LTD.—Net profit for the year ended October 31, after taxaetion, amounts to £11,281 (against £6,967 in the previous year). Taxation totals £14,706 (£5,850). Proposed final ordinary dividend of $7\frac{1}{2}$ per cent. (same) maintains distribution at 10 per cent.

NORTH BRITISH RUBBER Co., LTD. — Mr. G. R. McNear has been appointed managing director. Messrs, John K. Coutant and D. H. Gordon have resigned as joint managing directors. Mr. Coutant has left the company. Mr. Gordon is a member of the board and will remain as director of production.

SPA BRUSHES, LTD.—Trading profit to August 31 amounted to £52,552 (£82,169). After depreciation £5,768 (£5,915), etc., profit was £38,769 (£64,426). Brought in £6.933 (nil); dividends and profit prior to September 1948, nil (£15,840); making available £45,702 (£83,266). To taxation, £22,725 (£38,800); off preliminary expenses, nil (£2,167); capital reserve, nil (£8,505); preference dividend, £3,025 (same); final ordinary dividend, 5 per cent. (14 per cent.), making 15 per cent. (24 per cent.), £10,312 (£16,500); carried forward £9,640.

Voluntary Liquidations

Burge, Warren & Ridgley, Ltd., surgical instrument makers, 45 City Road, London E.C.I. Liquidator: Albert Smither, 209 Highlands Boulevard, Leigh-on-Sea, Essex.

E. WILLOUGHBY WILLIAMS, LTD., chemist, 646 Washwood Heath Road, Birmingham. Liquidator: Walter B. Fenton, 370 High Street, Smethwick.

OSTLER & Co., LTD., chemists, 2 Star Hill, Rochester, Kent. Liquidator: F. W. L. Phillips, 26 High Street, Chatham.

SOUTHERN UTILITIES, LTD., wholesale chemists, Colonnade Road, Boscombe, Bournemouth, Liquidators: Arthur L. H.

Ball, C.A., 96 Holdenhurst Road, Bournemouth, and Ronald Parkin Booth, C.A., 14 Holborn Viaduct, London, E.C.1.

WILLSONS (DONCASTER), LTD., wholesale chemists, High Road, Balby, Doncaster. Liquidator: Basil Spooner, 7 Spring Gardens, Gainsborough, Lincs.

N. F. HOLLYOAK, LTD., chemists, Central Chambers, Bearwood Road, Smethwick, 41, Staffs. Liquidator: Hugh Golding Pinner, C.A., address as above.

BUTLER, McCulloch & Co., Ltd., herbalists and druggists, 60 Artillery Lane, London, E.I. Liquidator: Samuel J. Pomeroy, A.C.A., address as above.

BUSINESS CHANGES

Macleans, Ltd., have appointed Mr. O. N. T. Davenport their sales manager.

T. F. Bristow & Co., Ltd., have appointed Mr. H. R. Cameron-Waller their sales manager.

THE telephone numbers of the depôts of R. Summer & Co., Ltd., are: Liverpool: Royal 6644; Cardiff: Cardiff 3147 [corrected note].

Mr. H. C. Dumler, M.P.S., has acquired the Widley Pharmacy, 78 London Road, Widley, Portsmouth, formerly owned by Mr. E. C. Sleep, M.P.S.

Mr. Laurence D. Gray has relinquished his interests in Brown, Gray & Co., Ltd., wholesale chemists, Glasgow, of which he was joint managing director.

MR. JAMES STUART PATON has been admitted into partnership of Kirkpatrick, Barr & Paton, Market Buildings, 29 Mincing Lane, London, E.C.3. He is the son of the senior partner, Mr. G. S. Paton.

SOUTHMEAD GENERAL and the Coss-HAM-FRENCHAY and HAM GREEN, BRISTOL, HOSPITAL MANAGEMENT COMMITTEES have transferred their administrative offices and finance departments to Southmead General Hospital, Westbury-on-Trym, Bristol (telephone: Southmead 68031).

BAYER PRODUCTS, LTD., Africa House, Kingsway, London, W.C.2, have made the following appointments to their represent ative staff: Mr. J. Gorrie, Greenways, 2 Newlands Road, East Kilbride (Glasgow and West Scotland); Mr. L. Saint, 21 Moss Gardens, Alwoodley Park, Leedi (West Riding of Yorkshire); and Mr. F. W Catley, Evesham, St. Alban's Crescent Newcastle-on-Tyne, 6 (East Midlands).

LEGAL REPORT

Evidence of Theft and Receiving .-- At Clerkenwell, London, magistrates' court recently, Frederick Franklin, van driver, 22A Lammas Park Road, London, W.5, and Ernest Charles Jordan, packer, 11 Arundel Gardens, Edgware, pleaded guilty to being concerned together in stealing 2,880 shampoo powders, value £60, and 432 bottles of Vaseline hair tonic, value £54 18s., from their employers, Chese-brough Manufacturing Co., Ltd., Victoria Road, N.W.10. John Hedley Lawrie, described as a street trader, 16 Stratford Villas, Camden Town, and Albert Victor Peek, also described as a street trader, 17 Arvon Road, Drayton Park, both pleaded not guilty to charges of receiving 177 doz. packets of shampoo powder, value £24 6s. 9d., and eighteen doz. bottles of Vaseline hair tonic, value £11 5s., the property of the company, knowing that the property had been stolen. For the prosecution it was stated that Peek had a shop in Portpool Lane, E.C.1, and two stalls in the vicinity, and employed Lawrie to assist him. On December 8, 1950, the premises were searched by virtue of a search warrant, and the part proceeds of five different thefts were found. Later Franklin and Jordan made statements admitting the theft of shampoo powders and Vaseline hair tonic. Harold George Frampton (a director of the Chesebrough Manufacturing Co., Ltd.), said that the company had done business with Peek since 1949, but the shampoo powders found in the shop exceeded the total amount the company had supplied since then. The hair tonic had been packed on November 30, and the last invoiced delivery to the premises at Portpool Lane had been on November 14. A detective-sergeant said that on December 4 he kept observation, with another officer, in Portpool Lane, and saw Franklin deliver at Peek's shop cartons similar to the hair tonic produced. The magistrate said he was satisfied from the evidence that both Peek and Lawrie were concerned in receiving the shampoos and hair tonic and that they knew that the goods had been stolen. Peek was reported to have had previous convictions for receiving. Franklin and Jordan were each fined £10 on each of the two charges against them, or six weeks' imprisonment, and were each ordered to pay £9 19s. compensation (the value of stolen goods not recovered). Peek and Lawrie were committed to the London Sessions for sentence.

COMING EVENTS

Monday, January 8 HARROGATE FANCY GOODS FAIR, Queen Hotel, Harrogate. Open until January 13.

Tuesday, January 9

HOUNSLOW BRANCH, PHARMACEUTICAL SOCIETY, Sun Hotel, Hanworth Road, Hounslow, at 8 p.m. Address by Mr. H. B. Coulson, M.P.S. (chairman, National Pharmaceutical Union).

NORTH METROPOLITAN BRANCHES, PHARMACEUTICAL ORTH METROPOLITAN BRANCHES, THARMACEUTICAL UNION, Beale's Restaurant, Holloway Road, London, N.7, at 7.45 p.m. Address by Mr. D. W. N.7, at 7.45 p.m. Hudson, M.P.S.

NOTTINGHAM BRANGH, PHARMAGEUTICAL SOCIETY, lecture theatre, Medico-Chirurgical Society, 64. St. James' Street, Nottingham, at 7.30 p.m. Mr. R. V. Parkinson, M.P.S., on "Continental Pharmacy."

BIRMINGHAM PHARMACEUTICAL ASSOCIATION, and BRANCH, Grand Hotel, Birmingham, at 8 p.m. Mr. H. Noble, B.Pharm., Ph.C. (secretary, National Pharmaceutical Union) on "National Negotiations-Payments Service Health Account, Oncost, etc."

PRESTON PHARMACISTS' ASSOCIATION, South lounge, Bull and Royal Hotel, Preston, at 7.45 p.m. Address by Mr. Tomski, M.P.S. (chairman, Harrow Branch, Pharmaceutical Society).

Wednesday, January 10
LIVERPOOL CHEMISTS' ASSOCIATION and BRANCH,
Adelphi Hotel, Liverpool, at 7.30 p.m. Carnival supper dance.

NORTHERN IRELAND BRANCHES, CHEMICAL SOCIETY, ROYAL INSTITUTE OF CHEMISTRY and SOCIETY OF CHEMICAL INDUSTRY, Lecture theatre, department of agriculture, Queen's University, Belfast, at 7,30 p.m. Dr. H. R. Wright, A.R.I.C., on "The Photographic Image."

OYAL SOCIETY OF ARTS, John Adam Street, Adelphi, London, W.C.2, at 2.30 p.m. Mr. C. Potter, D.Sc., Ph.D. (Rothamsted Experimental Station), on "Insecticides and their Study."

Thursday, January 11
BRISTOL BRANCH, PHARMACEUTICAL SOCIETY, Board room, Guildhall, Small Street, Bristol, 1, at 7.15 p.m. Mrs. S. M. L. Tritton, M.P.S., F.R.I.C., on "Fermentation in Wine Manufacture."

LEEDS BRANCH, PHARMAGEUTICAL SOCIETY, Metropole Hotel, King Street, Leeds, at 7.30 p.m. Members' own night. Speakers: Messrs. R. W. Gillham, Ph.C., D.B.A., and A. N. Stephenson, M.P.S.

MANCHESTER PHARMACEUTICAL ASSOCIATION, JUNIOR BRANCH, Geographical Society's Hall, The Parsonage, Manchester, at 7,30 p.m. Film show (by courtesy of Imperial Chemical Industries, Ltd.).

ORTSMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Solent Hotel, South Parade, Southsea, at 7.30 p.m. Dr. S. M. Rowson (curator of the Society's museum) on "The Museum of the PORTSMOUTH Society's museum) on "Pharmaceutical Society."

WIMBLEDON PHARMACISTS' ASSOCIATION and BRANCH, Wimbledon Town Hall, at 7.45 p.m. Dr. K. R. Capper, B.Pharm., Ph.C., F.I.C. (Editor of the British Pharmaceutical Codex), "The Official Formularies."

CORNISH BRANCH, PHARMACEUTICAL SOCIETY, is holding its third annual dinner and dance on

BIRTH

SHARPE.—At Bellshill maternity hospital, on December 13, Nora, wife of William John Sharpe, M.P.S., 17 Norvue Terrace, Airdrie, Lanarks, of a daughter.

DEATHS

BOWKER.—On December 23, 1950, after a long illness, Mr. C. W. E. Bowker (a director and founder of Buckley-Bowker Tablet Co., Ltd., 29 Parkfield Street, London, N.1), aged eighty-two.

Fraser.—At Bo'ness, West Lothian, on December 29, 1950, Mr. Alexander Fraser, M.P.S., F.B.O.A., aged sixty-four. Mr. Fraser was in business at Hope Street, Bo'ness.

Inskip.—On December 15, Mr. Bertram Spilsbury Inskip, M.P.S., Vacuna, Peacock Lane, Withdean, Brighton, aged sixtyeight. Mr. Inskip, who qualified in 1915, was in business at 209 Preston Road, Brighton, 6.

Nicholl.—On December 24, 1950, Mr. John Trevor Nicholl, M.P.S.I., M.P.S.N.I.



(a director of I. W. Nicholl, Ltd., the Medical Hall. High Street, Belfast, and a past-president of the Pharmaceutical Society of Northern Ireland). Mr. Nicholl qualified under the Pharmaceutical Society of Ireland in 1919, passing his final examination with first-ciass honours. He registered as a

member of the Northern Society in 1926 and was elected a member of its Council in 1934, heading the poll. Eight years later he was appointed honorary treasurer, later vice-president, and, in 1943 president. He retired from the Council in 1946. Mr. Nicholl was a member of the Ulster Chemists' Association. He succeeded, in 1925, to the control of I. W. Nicholl, Ltd., on the death of his father, founder of the business.

McLaren.—At a hospital in Stirling recently, Mr. James B. McLaren, M.P.S., 22A McNabb Street, Dollar, Clackmannans, aged eighty-three. A native of Bridge of

Allan, Mr. McLaren was apprenticed with Duncan, Flockhart & Co., Edinburgh, qualified as a chemist and druggist in 1896, and for many years carried on business as a pharmacist in Kirkcaldy. He was a water commissioner for the town, and a member of its council for a number of years, retiring in 1930.

Robson.—At his home, Forest Lodge, Woodlands, nr. Consett, co. Durham, on

December 28, 1950, Mr. Hubert Napier Robson (sales director of James A. Jobling & Co., Ltd., Wear Glass Works, Sunderland). Mr. Robson was appointed sales and advertising manager of the company in 1929, and in 1949 was appointed to the board as sales director. For many years he was a



member of the executive committee of the Glass Manufacturers' Federation.

Brier.—In the Henry Ford Hospital, Detroit, Michigan, U.S.A., on December 15, 1950, Mr. Ernest Brier, aged seventyone. Mr. Brier was a director and a vicepresident of Parke, Davis & Co., Detroit, and had served with the company for forty-six years. Born in Elland, Yorks, he was apprenticed in his home town and later served with the late Mr. Ralph Cuthbert at Huddersfield. He qualified as a chemist and druggist in 1901 after studying at the Leeds College of Pharmacy, where he became friendly with the late Mr. F. Pilkington Sargeant, On joining Parke, Davis & Co. he represented the company in the North-west of England and South Scotland. After a period as sales supervisor in the United Kingdom he went to Russia to become manager for the company in St. Petersburg. In 1918 he was imprisoned by the Bolsheviks, escaping via Finland in the disguise of a peasant. After a world tour for the company he was appointed to its Detroit depôt, where he rose to become a vice-president and director in charge of foreign sales. His experiences in escaping from Russia were published in the company's house magazine as a series, which was concluded just before he died.

PERSONALITIES

MR. KENNETH J. WADGE, M.P.S., Milehouse Pharmacy, Wolseley Road, Plymouth, points out that it was his father, Mr. P. H. Wadge (secretary, Plymouth Trades and Labour Council), who requested an extension of chemists' hours in the evenings (see p. 4). On that matter his father held views contrary to his own.

Mr. John M. Edwards, the newly appointed managing director of Drug Houses of Australia Export, Ltd., joined the London buying house of the Australian companies in 1906, was appointed chief buyer in 1936, and a director in 1938. He is a member of the Institute of Export, an Executive member of the Australian and New Zealand Merchants' Association, and a committee member of the Australian section of the London Chamber of Commerce.

Mr. John Rogers, O.B.E., who succeeds Lord McGowan as chairman of Imperial

Chemical Industries, Ltd., been deputy chairman of the company since 1940. Born in Glasgow in 1878, he was educated at one of the city's Board Schools until the age of fourteen. $\overline{\mathrm{He}}$ then went as a "lab. boy" to the Royal Technical College, won a scholarship there, and before

leaving, in his twenty-first year, had become Lecturer Assistant to the Professor of Chemistry. He joined the Nobel's Ex-Co. at Ardeer, Ayrshire, in plosives 1899. There he met Mr. (later Lord) McGowan (who had joined Nobel's as an office boy in 1889, and had by then risen to an important managerial position on the commercial side). For services during the first World War Mr. Rogers was awarded the O.B.E. At the first Board meeting of the I.C.I. in December 1926, Mr. Rogers was made a joint technical director, a position he held until 1940. During the second World War, Mr. Rogers served as Director-General of Explosives, and chairman of the Ammunition Board at the Ministry of Supply.

MR. DAVID ROBERT CARNEGIE (eldest son of Mr. Donald Carnegie, managing director of the Carnegie group of companies) is to join the Group after his return from a business trip to New Zealand and U.S.A. with Mr. and Mrs. Donald Carnegie. While abroad he will be visiting with his parents Mr. Angus Carnegie (managing director of Carnegie Chemicals Australasia, Ltd.).

MR. G. R. McNear, the new managing director of the North British Rubber Co.,

Ltd. (see p. 6), joined the United States Rubber Co. in 1933. In the following year he was appointed assistant district sales manager of division tyre Boston, Mass., and held sales later positions in Buffalo and New York. In 1943 he became sales manager for the Pacific coast, and in 1949 assis-



tant to the president of the company.

NEW YEAR HONOURS.—Included in the New Year Honours list published on January 1 were the following: Knights Batchelor: Mr. Thomas Dalling, M.R.C.V.S.: (chief veterinary officer, Ministry of Agriculture and Fisheries), and Colonel V. D. Warren (Lord Provost of Glasgow and regional manager for Scotland and Northern Ireland of Imperial Chemical Industries, Ltd.); G.B.: Mr. Eric Barnard, C.B.E., D.S.O., deputy secretary, Department of Scientific and Industrial Research; C.B.E.: Mr. S. B. Bagley (chairman, Bagley & Co., Ltd. and of the British Association of Glass Bottle Manufacturers), Dr. James Boyd (Chief Medical Officer, Ministry of Health and Local Government, Northern Ireland), Mr. S. E. Chisholm (Assistant Comptroller, Patent Office), and Dr. V. B. Wigglesworth, F.R.S. (Director, insect physiology unit, Agricultural Research Council); M.B.E.: Mr. S. Mitchell, M.P.S., head pharmacist and technical assistant to the medical director general, Royal Naval Medical Depôt, Risley, nr. Warrington, Lancs.

TRADE NOTES

High-dosage Tablets. — To meet the growing demand for high-dosage vitamin C tablets, Roche Products, Ltd., Welwyn Garden City, Herts, have introduced a 500-mgm. Redoxon tablet in bottles of 20, 100 and 500.

Price List.—The 1951 75-p. flat-opening price list of medical products of May & Baker, Ltd., Dagenham, now available, includes therapeutic and general indexes, and pages for memoranda. A first amendment sheet accompanies the booklet.

Vitamin Elixir.—John Wyeth & Bro., Ltd., Clifton House, Euston Road, London, N.W.1, have issued under the name Beplete elixir a palatable preparation containing the major B-complex vitamins in conjunction with gr. 4 phenobarbitone per teaspoonful. [Corrected note.]

Change of Name.—Though its formula is unchanged, the product hitherto issued as Mandamine by Menley & James, Ltd., 123 Coldharbour Lane, London, S.E.5, is henceforth to be known as Mandelamine. Each enteric-coated tablet of the preparation contains 0.25 gm, methenamine mandelate. The pack is a bottle of sixty tablets.

Available in New Size.—On another page are given details of a new size of Acriflex non-greasy antiseptic cream made available by the manufacturers, Allen & Hanburys, Ltd., Bethnal Green, London, E.2. The price of the existing (treble-size) tube was increased on January 1. Acriflex is available on 13-to-the-dozen bonus terms.

Bonus Offers.—Cooper, McDougall & Robertson, Ltd., Berkhamsted, Herts, give details on another page of a bonus offer of aerosols and Flyspray.—Potter & Clarke, Ltd., 60 Artillery Lane, Bishopsgate, London, E.1, tabulate on another page details of discounts on orders of six doz, and twelve doz, assorted price-protected specialities of the company.

Prize Competition Judges.—Lever Bros. (Port Sunlight), Ltd., London, E.C.4, announce that the judges in the Lever's Easy shaving-stick prize competition (see C. & D., 1950.II.545), which closes on January 31 are Mr. Kenneth Horne, the radio star; the editor of the "Sunday Pictorial"; Mr. J. A. A. Beer (advertising manager, T. Wall & Sons, Ltd.); Mr. Leonard Sharpe (Lintas, Ltd.), and Mr. W. H. T. Tayleur. Judging will take place in London on February 20.

New Products. — Continental Laboratories, Ltd., 101 Great Russell Street, London, W.C. 1, are introducing during January Entrosalyl (vitaminised), a preparation of sodium salicylate with vitamins B1, C, K and the PP factor for use where high-doses of sodium salicylate are necessary, and Acimetion pure dl-methionine. Entrosalyl is issued in bottles of fifty and in tax-free dispensing packs of 200 and 1,000 capsules. Acimetion is issued in bottles of fifty and 250 0.25-gm. tablets.

First Production in Britain. — Leda Chemicals, Ltd., Wharf Road, Ponders End, Middlesex, are now manufacturing in commercial quantities the higher alkyl chlorides (hitherto produced commercially only in the United States). Among the products made by Messrs. Leda are lauryl, cetyl and stearyl chlorides. The company are also commencing production of specialised quaternary ammonium and pyridinium compounds to specification for pharmaceutical manufacturers.

Competition Prizewinners. — The following are the principal prizewinners in the autumn 1950 photographic prize competition organised by Johnsons of Hendon, Ltd., Hendon Way, London, N.W.4. Class I (landscapes, etc.): First (£10), Mr. J. Stonehouse, Newark. Class 2 (portraits, etc.): First (£10), Mrs. N. Payne, Horsforth. Class 3 (general): First (£10), Mr. C. Evans, Hadleigh. One second, five third, and five fourth prizes were awarded in each class. Class 4 (special novices' section): Two first prizes of £5 Mr. D. Castell, Manchester, 14, and Miss S. Bas-keyfield, West Didsbury. Three second, five third and eight fourth prizes were awarded in this class, and in the four classes forty consolation prizes were also awarded. The company's next competition closes on April 30. Leaflets giving prizes and rules will be available shortly.

Chemicals Required in Hong Kong.—The United Kingdom Trade Commissioner at Hong Kong has informed the Commercial Relations and Exports Department of the Board of Trade that Howah & Co. Ltd., Wing On Bank Building, 3rd Floor 26 Des Voeux Road Central, Hong Kong wish to be put in touch with suppliers of fine chemicals (particularly suppliers who may be interested in representation in Hong Kong). The items required are aspirin B.P., powder; bismuth subnitrate, B.P. mercurochrome, B.P.; phenacetin, B.P.

powder; salol, B.P.; and sulphathiazole powder, B.P. Messrs. Howah have been members of the Hong Kong General Chamber of Commerce since 1947; they were established in 1934. Interested firms should communicate direct with the company.

Price Changes .- ALLEN & HANBURYS, LTD., Bethnal Green, London, announce increases in the prices of Allenburys dextrin maltose; Eucortone; Plough brand liquid red-squill rat poison; Allenburys feeders, teats and valves (the feeders are hand-made bottles in heat-resistant glass).—BAYER PRODUCTS, LTD., Africa House, Kingsway, London, W.C.2, reduced on January 1 the prices of Dolantal brand pethidine hydrochloride.—Maureen Baun, LTD., Tottington Road, Bury, Lancs, announce that they have been compelled to increase the retail price of Toddilox children's hair-setting preparation, economies effected when the company moved into larger premises during the summer of 1950 having been insufficient to balance increases in costs of raw materials. The price of Lorelox is unchanged.—Ferris & Co., LTD., Bristol, 2, state that the prices of Nepenthe were increased on January 1. The product is now issued in a dispensing pack, free from purchase tax.—IMPERIAL CHEMICAL (PHARMACEUTICALS), LTD., 149 Park Lane, London, W.I, have reduced the prices of Avlon brand preparations of pethidine hydrochloride and pethidine hydrochloride with hyoscine hydrobromide; the new prices take effect immediately.— On another page MacDonald & Son, Ltd., Hope Mills, Pollard Street, Manchester, 4, announce increased prices for Silcot sanitary towels. - Roche Products, Ltd., Welwyn Garden City, Herts, reduced on January 1 the price of prostigmin tablets and pethidine preparations (the prices of Prostigmin ampoules, concentrated solution and ophthalmic solution are unchanged). -Sandoz Products, Ltd., 134 Wigmore Street, London, W.I, announce increases in the price of their preparations containing ergot alkaloids. Details of the new prices are given in the Sandoz price list 1951, copies of which are available on request.—Thompson & Capper Wholesale, LTD., Speke, Liverpool, 19. point out that a new retail price for Mothaks took effect on January 1.—On another page are listed increased prices for Ovaltine announced by the manufacturers, A. WANDER, LTD., 42 Upper Grosvenor Street, London, W.I; the new prices operate from January 6.

PACKAGING FOR EXPORT

What makes the ideal export pack from the shipowner's viewpoint was examined by Mr. R. G. Grout (General Steam Navigation Co., Ltd.) in a paper read to the Institute of Packaging in London recently. Mr. Grout said that the package might have to stand up to a dozen handlings between the packing room and its destina-tion. It would probably be overstowed with other cargo in the ship's hold and be subjected to pressures inevitable in a ship moving about in a seaway. If things were not right within, small articles that could move about or rattle in a case were bound to suffer. Large and heavy pieces had to be bolted down or chocked off so that they could not move even if the case were tilted to a quite unexpected angle. Neat, rectangular cases of handy dimensions helped to achieve the perfect stow, with no wasted space, no danger of shifting, and pressure of the overstow evenly distributed. Strong and well-closed packing helped to make pilferage more difficult and detection easier. Long nails were preferable to short, smooth ones. Wiring or steel banding was a valuable extra protection, and for fibreboard containers the speaker recommended banding with steel strip. That, he said, was preferable to wire, which tended to cut and stretch in handling. Bales should be strongly stitched, and coloured thread or string helped in the detection of tampering. Wire mesh in crates prevented picking and stealing. Where possible, packing should disguise the nature of the contents. Once a type of packing became identified with attractive contents they became vulnerable. Secret markings on the contents helped in tracing pilfered goods. Clearly legible marks contributed to quicker handling, and port marks helped prevent misdeliveries.

Limitations of Fibreboard

Though, for many commodities, strong, well-designed fibreboard containers were quite suitable, they should not be over-loaded. Progress had been made in getting shipping conferences to accept types of such containers, but he did not think them suitable for liquids packed in breakable containers, since a breakage rendered the Mr. sodden. Grout doubted whether palletisation (strapping a number of cases on a board and shipping the resultant block to destination) would ever become general shipping practice, except in war.

PROPRIETARY ARTICLES TRADE ASSOCIATION

Additions to Protected List (Part 1).—Carter Products, Inc. (agents, Thomas Marns, Ltd.), Arrid cream deodorant, 17s. 4d. doz., tax 33\frac{1}{3} per cent., inclusive retail price 2s. 5d.

Vick International, Ltd., Vick lozenges, 9s. doz., tax 33\frac{1}{3} per cent., inclusive re-

tail price 1s. 3d.

Alterations to Protected List (Part 1).

—Dinneford & Co., Ltd. (agents, J. C. Eno, Ltd.). Increased prices January 1:

Dinneford's fluid magnesia, 13s. 3d. doz., tax 33\frac{1}{2} per cent., i.r.p. 1s. 9d.; 24s. 6d. doz., tax 33\frac{1}{2} per cent., i.r.p. 3s. 3d.

Genatosan, Ltd. (distributors, British Chemicals and Biologicals, Ltd.). B.V.U. tablets, dispensing packs, 100's 6s. 6d.;

250's, 15s. 6d.; 1,000's, 6os.

Allen & Hanburys, Ltd., Dextrin-Maltose, plain and with added sodium chloride, 2 per cent., 1-lb. jar, 36s. 6d. doz., 4s.; 4-lb. jar, 120s. doz., 13s. 3d. (both exempt from tax).

Bristol-Myers Co., Ltd. (agents: 7. C. Gambles & Co., Ltd.), Sal Hepatica, 13s. doz., tax 33\frac{1}{3} per cent., i.r.p. 2s., 23s. doz., tax 33\frac{1}{3} per cent., i.r.p. 3s. 6d.

Dr. Janssen, Ltd., Janssen's herbal tablets, 12s. doz., tax 33\frac{1}{3} per cent., i.r.p. 1s. 10d., 31s. 2d. doz., tax 33\frac{1}{3} per cent.,

i.r.p. 4s. 9d.

Dr. Mackenzie's Laboratories, Ltd. (agents: J. C. Gambles & Co., Ltd.), Mackenzie's smelling bottles, flat, 14s. 3d. doz., tax 33\frac{1}{3} per cent., i.r.p. 2s.; handbag bottles, 12s. 6d. doz., tax 33\frac{1}{3} per cent.,

i.r.p. 1s. 9d.

**Potter & Clarke, Ltd.. Kasbah kidney remedy, 9s. doz., tax 33\frac{1}{3} per cent., i.r.p.

1s. 6d. Potter's stramonium cigarettes, box of 18, 15s. doz., tax 33\frac{1}{3} per cent., i.r.p.

2s. 2d. Potter's asthma smoking-mixture, 10s. 6d. doz., tax 33\frac{1}{3} per cent.,

1.r.p. 1s. 6d. Vick International, Ltd., Vick vapourrub, \(\frac{3}{2}\)-oz. jar, 14s. 5d. doz., tax 33\(\frac{1}{3}\) per cent., i.r.p. 2s.; 1\(\frac{1}{2}\)-oz. jar, 23s. 5d. doz., tax 33\(\frac{1}{3}\) per cent., i.r.p. 3s. 3d. Vick inhaler, 14s. 5d. doz., tax 33\(\frac{1}{3}\) per cent.,

ı.r.p. 2s

Eli Lilly & Co., Ltd., No. 1572, Ergotrate brand ergometrine maleate tablets, 12's (new size), 68s. doz., 8s. 6d.; 25's, 112s. doz., 14s.; 100's, 33s. 8d. each, 5os. 6d.; 50o's, 167s. 4d. each, 251s.; 1,000's, 333s. 4d. each, 50os. (all exempt from tax).

Macleans, Ltd., Macleans hydrogen peroxide, 4-oz., 10 or 20 volumes, 6s. 9d.

doz., tax 33\frac{1}{3} per cent., i.r.p. 18.; 8-oz., 20 volumes, 118. 9d. doz., tax 33\frac{1}{3} per cent., i.r.p. 18. 9d.

Parke, Davis & Co., Citralka tablets effervescent, 25's, 36s. doz., tax 33\frac{1}{3} per

cent., i.r.p. 5s. 6d.

Alterations to Protected List (Part 2).

—Allen & Hanburys, Ltd., Allenburys food measure, 21s. 3d. doz., 2s. 4d. exempt from tax,

Horlicks, Ltd., Horlicks: in powder form, 27s. 2d. doz., 2s. 10d. 47s. 2d. doz., 4s. 11d. Horlicks No. 3, 132s. doz., 13s. 9d.

(exempt from tax).

A. S. Hinds, Ltd., Hinds honey and almond cream is now obtainable in a Polythene bottle: Squeeze bottle, 22s. 6d. doz., £3 assorted, 21s. 6d. doz., £7 10s. assorted, 20s. 9d. doz., tax 100 per cent., i.r.p. 4s. 6d.

Chas. H. Phillips Chemical Co., Ltd., Phillip's dental magnesia (regd.) toothpaste, standard size, 10s. 8d. doz., tax 33\frac{1}{3} per cent., i.r.p. 1s. 6d. Prices of extra-

large size unchanged.

Edwards Harlene, Ltd., revised prices from January 1: Harlene hair grower and tonic, No. 1 (enlarged), 12s. 10d. doz., tax 100 per cent., i.r.p. 2s. 6d.; No. 2, 27s. doz., tax 100 per cent., i.r.p. 5s. 3d. Harlene hair cream: No. 1, 11s. 6d. doz., tax 100 per cent., i.r.p. 2s. 3d.; No. 2, 20s. 6d. doz., tax 100 per cent., i.r.p. 4s. 0½d. Harlene wave-setting lotion, 11s. 6d. doz., tax 100 per cent., i.r.p. 2s. 3d. Golden wave set, 11s. 6d. doz., tax 100 per cent., i.r.p. 2s. 3d.; chamomile golden hair wash, 11s. 6d. doz., tax 100 per cent., i.r.p. 2s. 3d.; (new size) 18s. doz., tax 100 per cent., i.r.p. 3s. 6d. Uzon brilliantine, 11s. 6d. doz., tax 100 per cent., i.r.p. 2s. 3d. Astol hair colour restorer (large), 30s. doz., tax 100 per cent., i.r.p. 6s.

Culmak, Ltd., Increased prices, December 22, Culmak (regd.) shaving brushes: Junior, 33s. doz., tax 33\frac{1}{3} per cent., i.r.p. 5s.; Chum, 42s. 6d. doz., tax 33\frac{1}{3} per cent., i.r.p. 6s. 6d.; Traveller, 42s. 6d. doz., tax 33\frac{1}{3} per cent., i.r.p. 6s. 6d.; Senior, 55s. 6d. doz., tax 33\frac{1}{3} per cent., i.r.p. 8s. 6d.; Saloon, 82s. 6d. doz., tax 33\frac{1}{3} per cent., i.r.p. 12s. 6d.; Fifty-Fifty, 97s. 6d. doz., tax 33\frac{1}{3} per cent., i.r.p. 15s.; Prince, 137s. 6d. doz., tax 33\frac{1}{3} per cent., i.r.p. 16s. doz., tax 33\frac{1}{3} per cent., i.r.p. 25s.; No. 55, 275s. doz., tax 33\frac{1}{3} per cent., i.r.p. 42s.; No. 84, 412s. 6d. doz., tax 33\frac{1}{3} per cent., i.r.p. 42s.; No. 84, 412s. 6d. doz., tax 33\frac{1}{3} per cent., i.r.p. 15r.p. 15r.p.

63s.

PHARMACEUTICAL SOCIETY OF IRELAND

MR. T. C. SCOTT (president) was in the chair at the monthly meeting of the Council of the Pharmaceutical Society of Ireland on December 12, 1950. Other members present were Messrs. J. P. Kissane (vice-president), J. Gleeson (treasurer), P. C. Cahill, J. J. Roche, C. J. Cremen, M. Costello, A. A. Toher, P. A. Brady, N. A. McKane, H. P. Corrigan, M. Power, J. A. O'Rourke, and Senator F. Loughman. Apologies were received from Messrs. R. Daly, P. F. McGrath and P. Brooke-Kelly.

Mother and Child Scheme

In response to a recent circular letter on the position of pharmacists in relation to the proposed mother and child scheme (see C. & D., 1950.11.580), a number of letters were received and noted with satisfaction. The County Kerry Chemists' Association wrote that the Tralee chemists "viewed with alarm" the serious situation that would arise if the scheme went through in its present form. They believed that the retail chemist would lose more than 50 per cent. of his business. Free medicines, medical appliances and all surgical dressings were apparently to be supplied at various clinics and dispensaries. The situation called for immediate action. They pledged unanimous support for any action that the Society decided upon. The Sligo Chemists' Association also pledged their support. Mr. D. V. O'Sullivan, Cahirciveen, in a letter, drew attention to the many abuses that take place. Mr. Daniel D. Sweeney, Glenties, advised that he had taken up the matter with both government deputies in his own constituency and had received certain assurances from them in the matter. The Council considered the scheme and its effect on the profession. It also considered a letter from a kindred professional body, and decided upon a course of action.

A letter was read from the co. Wicklow Society for the Prevention of Cruelty to Animals seeking the Council's support for the abolition of strychnine as a poison for animals. It was decided to reply that the Council was waiting on legislation that would give the Society greater power of control over poisons such as strychnine. A letter from the Medical Council of Rhodesia on the subject of reciprocity (see C. & D., 1950.11.12) stated that the matter had received full consideration and

that when the Society obtained recognition of its certificate from Northern Ireland, Great Britain and South Africa for registration purposes the Rhodesian Council would be prepared to consider the matter again.

Mr. Percy R. W. Shinner (immediate past-president of the Pharmaceutical Society of Northern Ireland) wrote thanking the Society for its friendly gesture in restoring his name to the Register and themselves paying the appropriate fee. He enclosed a cheque for £5 5s. for the Benevolent Fund.

The following changes of address were notified: Patrick A. Brennan, to Redesdale Pharmacy, Stillorgan, co. Dublin; Mrs. M. Brennan, M.P.S.I., to Athboy, co. Meath; Miss Brigid Corrigan, L.P.S.I., to 2 Wadelai Green, Glasnevin, Dublin; P. J. Dalton, M.P.S.I., to Molougha, North Circular Road, Limerick; Miss Mary Cotter, Q.A., to Killard, Blarney, co. Cork; M. Costello, M.P.S.I., to 77 Mespil Road, Dublin; E. P. Hughes, M.P.S.I., to 5 Windmill Road, Crumlin, Dublin; Michael McMahon, M.P.S.I., to Ballyragget, co. Kilkenny; Joseph W. O'Brien, L.P.S.I., to 143 Capel Street, Dublin; Mrs. I. O'Callaghan, M.P.S.I., to 64 Trimleston Park, Rooterstown, Co. Dublin, Mich. Morr. O'Sullivan, L.P.S.I., to 118 Main Street, Mallow, co. Cork; Miss A. J. Tierney, M.P.S.I., to Friar Street, Thurles, co. Tipperary; A. G. Wilson, M.P.S.I., to Seafort, Sorrento Road, Dalkey, co. Dublin. Dr. Francis J. McKenna was registered as a pharmaceutical chemist. Preliminary registrations were notified in respect of Elizabeth Mary Lyons and Mary Margaret The Reports of the House, Schools, and Law Committees were submitted and approved.

Registered Druggists' Draft Agreement

The Registrar (Mr. James G. Coleman) reported that he had attended a conference at the Law Advisers' Office, at which representatives of the Registered Druggists' Association were present with their Counsel. A discussion took place with regard to the draft agreement which the druggists contended did not give all the safeguards or rights agreed upon, particularly with regard to assistants and managers. Counsel for the druggists intimated that he would outline the form he thought the agreement should take.

Mr. McKane said that the proposal of a modified examination for druggists was causing alarm. Unless the examination was of a high standard it should not be held at all. If the druggists were not satisfied with what the Council had generously offered they should not go ahead with the agreement. The possibility of the modified examination was responsible for the present marked increase in numbers coming forward for the Druggist examination. MR. COSTELLO thought there should be a time limit after which no one could do the modified examination. Mr. CREMEN said the Council had been more than generous and "concessions were made for one purpose only and that was to have this back door stopped." If any more difficulties were put in the way of implementing the agreement reached it was the druggists themselves who would eventually suffer. MR. O'NEILL said that the druggists were abusing the Society's concessions, and MR. KISSANE and Mr. GLEESON asked for a time limit on the negotiations. Replying to Mr. Brady, the Registrar said that the draft agreement had been with the drug-

gists since July 1949. Mr. McKane suggested that the agreement should be thrown out altogether. Several members intimated that they would table motions on the matter in January if the druggists did not accept the former agreement.

A Personal Tribute

When THE REGISTRAR reported on the deaths of Messrs. James Joseph McCartan, L.P.S.I., and Patrick Joseph Quinn, M.P.S.I., MR. O'NEILL paid tribute especially to the great loyalty of Mr. Quinn to the Society.

The following were nominated for membership: Michael McMahon, Ballyragget, co. Kilkenny; Miss Mary O'Sullivan, 118 Main Street, Mallow, co. Cork; John Campbell, Ardee, co. Louth; James B. Connolly, Ballyfoyle, Maganey, Leix; Thomas F. X. Corbett, 8 Sydenham Terrace, Ballinacurra, Limerick; Denis J. Long, Rock Street, Cloyne, co. Cork; Joseph W. O'Brien, 143 Capel Street, Dublin; George Roberts, I Munster Terrace, O'Connell Avenue, Limerick; Dr. F. J. McKenna, Sallynoggin, co. Dublin.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

A MEETING of the Council of the Pharmaceutical Society of Northern Ireland was held on December 15, 1950, the president (Mr. H. W. Gamble), in the chair. Also present were Messrs. W. H. Boyd (vice-president), H. P. Crossin (treasurer), C. Abernethy, J. Irwin, Walter C. Tate, J. McGregor, H. F. Moore, Dr. H. D. Heazley, Professor J. Small, D.Sc., and Professor E. B. C. Mayrs, M.D. Apologies were received from Messrs. S. E. Campbell, H. H. Cowzer, J.P., W. P. Ewart, F. R. Moore, J.P., and J. McDowell.

Exhibition Decision

THE PRESIDENT reported that a new heating apparatus for the Society's building would be installed before the next Council meeting. Members who had met local representatives to hear their views about holding some form of exhibition to mark the Society's twenty-fifth anniversary reported that it would not be possible to hold an exhibition such as they had in mind. It was agreed to leave the matter in their hands to see whether an alternative could be arranged.

The report of the Law Committee, which was adopted, contained provisions which the Council hoped to have included in a new Bill to establish a Poisons Board in Northern Ireland. The report included a statement on matters of professional conduct which the Council had decided should be circulated to members of the Society for guidance.

Examiners' Reports

The report from the board of examiners on the December examinations showed that, in the Final Qualifying examination, twenty-two candidates were successful, nine failed, four were referred in chemistry and two in physics. The Secretary (Mr. W. Gorman) stated that Miss Evelyn M. Smith had obtained the necessary marks for the award of the gold medal. In the Preliminary Scientific examination nineteen passed, thirty-one failed, one was referred in biology, two in chemistry and eleven in physics. Mr. John G. Kennedy qualified for the award of the scholarship on the results of the examination.

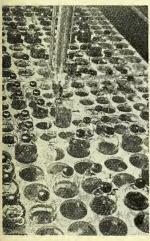
Certificates of apprenticeship were granted to Joseph E. Hall, co. Monaghan, and J. M. Martin, Belfast. It was agreed that the names of those members and associates who had not paid their retention fee for the current year should be removed from the appropriate registers.

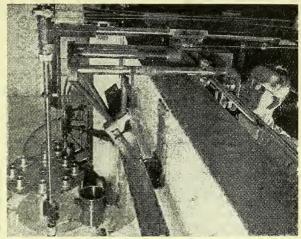
ATOMIC ENERGY

IN THE UNITED STATES

Aspects of work at the Atomic Energy Establishment laboratories, Oak Ridge, Tennessee

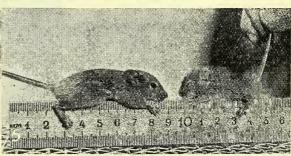








- 1. Using remote control tongs, the operator, protected by a 2 ft. concrete shield, removes a bottle of radioactive solution from a tray.
- 2. The bottle may be transferred to the decapping apparatus (right) for removal of liquid by pipette (left).
- 3. An idea of the size of the storage trays.
- 4. A close-up of the tongs.
- 5. Effect of hereditary change in mice caused by radiation. Left: A normal mouse. Right: A specimen showing the change.



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Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.

VOL. CLV JANUARY 6, 1951 No. 3698

Dispensing at Centre or Shop?

be recalled that recently the London Executive Council sought the views of the Pharmaceutical Committee on the question whether dispensary accommodation should be provided in a health centre which the County Council proposed to establish on a housing estate in North London. The Pharmaceutical Committee took the view that, as there were already twelve National Health Service chemist contractors in the area, at least two of whom lived on the premises and so were available for dispensing urgent prescriptions, and as, moreover, there were two rotas operating for late evening and Sunday dispensing services, there was already adequate provision for dispensing prescriptions for the tenants of the new estate. Additional accommodation in the health centre was therefore held by the Committee to be unnecessary. The Executive Committee, in effect, accepted the suggestion but recommended that the L.C.C. should reserve accommodation at the health centre for installing a dispensary in the event of pharmaceutical services being required there at some future date.

The question whether dispensaries should be provided at health centres is important. It must be considered (apart from cost) from the point of view of the patient and the local health authority, and not according to chemists' preference. No doubt there are advantages for the patient if consulting room and dispensary are under one roof, since, after seeing the doctor, he can take his prescription and have it compounded

at the dispensary close by. The health centre dispensary would be completely equipped and staffed by salaried officers, would provide continuous service by a rota of dispensers, waiting-room accommodation would be available, a full stock of drugs would be carried, efficient methods would be adopted for receiving prescriptions and handing out medicines, a receptionist, or similar officer, would relieve the pharmacist of non-technical duties, and his attention would not be diverted by his being called to make counter sales, as sometimes happens in a shop.

To compete with the health centre the private pharmacist must do all these things so far as they are necessary and perhaps do them even better than they would be done at the public dispensary. It can be pointed out that none of the services mentioned is beyond the capacity of the private pharmacist if they are needed in his own particular situation. He gives an evening service by rota arrangements with his neighbours. The dispensary can be—and in many instances is—separate from the shop, so that the compounding of prescriptions proceeds without interruption. He can provide good bottles and corks and professional labels and can wrap and even deliver the medicine in case of need.

The real question is whether the patient can generally get, at the pharmacy, something extra which the centre may not be likely to supply. We contend that that is fully possible. The proprietor or manager of a pharmacy may take a more human interest in the patients whose prescriptions are made up than would be the case at the health centre. The patient has an opportunity to consult someone known and trusted on any small matters that arise. Perhaps directions may need explanation or possibly the patient is in doubt as to the method of use. In the shop there is opportunity to ask advice about supplementary treatment and to obtain other medical supplies. The inquirer probably sees the proprietor on each visit, and not a different dispensing assistant on each occasion. He has confidence in the owner or manager because of past experience. For the most part people who are ill do not like fresh faces. In intimate things

like medical treatment and personal hygiene they like to choose their own chemist as they select their own doctor, and the psychological effect of that relationship may make a considerable difference in the case of ill health.

One should not press the comparison too far, however. Both at the centre and in the pharmacy technical excellence of craftsmanship may be beyond reproach, the prescription may be dispensed with equal correctness, and according to the best pharmaceutical standards, at either place. The drugs will be of the same quality and will produce the same effects. Why then should any advantage lie with the retail pharmacy? Possibly the answer is that small differences in the atmosphere surrounding the whole transaction, the treatment accorded to the waiting patient, the background against which the procedure is carried out, may impress themselves on persons under medical treatment. The differences are subtle and psychological. It will probably be conceded that the type of service in any sphere of governmental activity tends to be inelastic, stereotyped, not always human, very much of one pattern.

The individual proprietor or long-established manager is known personally to all his regular customers and the patient may rely on being accorded that extra personal touch that means so much in ordinary human relationships.

Still Higher Exports

EXPORTS of chemicals in November 1950 once more exceeded in value the total for any previous month. The Trade and Navigation Accounts show the November figure as £11,077,317, against the previous record total of October: £10,599,994. In November 1949 chemical exports amounted to £6,893,694. A year ago few people would have thought that the value of exports in this group of products could be increased by 60 per cent, in a twelve-Greater exports to the United States and the repercussions of stock-piling by that country have been largely responsible for the higher export totals of recent months, though the boom in commodities

that has also resulted from heavy buying by America has been far from advantageous to the British manufacturer (or, for that matter, to the British consumer) in that the cost of raw materials of all kinds has greatly increased. Exports of chemicals to the United States in November rose to £1,185,441 (against £266,671 a year earlier) and exports of benzol (benzene) contributed almost a third of the total value. Benzene is used in the production of phenol, DDT and detergents, and of plastics, though latterly a major proportion is being devoted to making styrene for synthetic-rubber production.

Exports of manufactured drugs, medicines and medicinal preparations in November 1950 were valued at £2,356,836 (slightly above the figure of the previous month and well above the £1,250,237 of November 1949). Proprietary medicines contributed £496,413, against £350,159 in November 1949. Exported quinine and its salts were valued at £28,604 (£24,183), aspirin at £62,254 (£30,368) and insulin at £33,425 (£21,822). Penicillin sent overseas was valued at £251,681 (against £153,699). Principal markets for medicines, in order of importance, were Hong Kong, India, Australia, and Egypt.

Exports of perfumery and toilet preparations (excluding perfumed spirits, toilet soap and essential oils) were valued at £393,981 (against £282,478 in November Tooth and denture preparations. 1949). etc., amounted to £68,805 (£66,733), and cosmetics to £147,020 (£84,237). ports of spirituous perfumes were valued at £51,463 (£44,254), toilet soap at £226,548 (£154,889) and essential oils at £58,858 (£44,385).

Microchemistry and Insecticides

THE increasing need for caution in the use of insecticides is stressed by Dr. J. M. (director, Toxicology Research Unit, Medical Research Council, Serum Research Institute, Carshalton, Surrey) ir a symposium on industrial hazards published in the "British Medical Bulletin' 1950, 7, 23-27. He draws particular at tention to the group of systemic insecti cides, which, he suggests, are likely to be

come popular because they kill only the insects that are actually damaging the plant, and urges an investigation into the effects of ingesting small quantities of such systemic insecticides as pyrophosphoric tetrabisdimethylamide (P.T.D.M.) (more recently called octa methyl pyrophosphor amide or O.M.P.A.). Although the compound itself has little toxic effect on insects the action of the plant cells through which it passes before being consumed by the tissue-eating insects appears to convert it to an active insect poison about which nothing is known. He emphasises that plants treated with such an insecticide obviously cannot be freed from it by any cleaning process. In vitro, P.T.D.M. does not inhibit cholinesterase even in a concentration of I per cent. A clinical dose of only 20 mgm. per kilo bodyweight injected into an animal produces death within thirty minutes from symptoms of poisonng by a cholinergic drug-which means that the body has converted the compound nto an anti-cholinesterase drug. hought that passage through the plant on which the compound, in solution, is prinkled) brings about a similar converion. Dr. Barnes points out that, ideally, ill food consumed by the public should be assured of being free from insecticide. Micromethods are needed for determining the presence of the compounds in foods.

Such a suggestion might with advantage be passed on to the insecticides committee of the World Health Organisation.

Batons Handed On

T is one of the handicaps of student oranisations that the active "life" of its nembers is necessarily short. The British Pharmaceutical Students' Association has been exceptionally fortunate in being erved in some of its important offices by nthusiasts who were willing to carry on heir contributions to its welfare after they ad ceased to be students in the strict ense of the word. Some, like the present ecretary's immediate predecessor, Mr. J. Relph, Ph.C., who relinquished his ffice when he became president of the nternational Pharmaceutical Students' ederation, may give indirectly an even more distinguished service to the students' cause. Others simply pass on to pursue careers in business or institutional posts.

For the B.P.S.A., another potent factor in continuity has been its official organ, the "Future Pharmacist," which has had the advantage of being edited through ten issues (the first appeared in 1945) by Mr. John Shinner, Ph.C., one of the founders and the first president of the Association. The current issue reveals itself as the last under Mr. Shinner's editorship, and it is fitting to congratulate him on the high journalistic standards he has maintained throughout his editorship. He retires with the satisfaction of being able to recognise much of his handiwork in the present strength and vitality of the organisation, which is acknowledging its debt to him by making him an honorary vice-president. To the new editor (Mr. E. N. Ingall, B.Pharm., Ph.C.), we offer our congratulations and best wishes. If he maintains the standards of his predecessor the future of the "Future Pharmacist" is assured.

FIFTY YEARS AGO Australia Becomes a Commonwealth

(From the C. & D., January 5, 1901) The twentieth century opened to a decidedly pessimistic tone, so far as the inhabitants of the United Kingdom are concerned. We are decadent, we are conservative, we are slow, say many of those whose function it is to crystallise British opinion; and we have not been allowed to forget that in turn half-a-dozen nations have been mistress of the world and its commerce, so that our time of lapsing into second place or lower is sure to come, and probably in this century. Opinions of what is to happen and what is the best thing to do in the circumstances are the order of the day. While this has been going on, our fellow-countrymen in Sydney, New South Wales, have been putting the seal to a document which is emblematic of the extent of our interests, the grit of our people, and the possibilities of the century's business. The colonies of the Australian Continent and of Tasmania were on that day united into a Commonwealth. . . . The indications at present point to little relaxation of the duties on imported goods.



By Hubert Blore, M.P.S.

S 1950 fades into history, it is well for the retail pharmacist to look back over its chequered months, and forward into the uncertainties of 1951. Especially is this so in respect of the part assigned to him in the National Health Service. The dispensing of N.H.S. prescriptions is now, with most of us, the major part of our livelihood, and not the equivalent of a pleasant hobby to be sandwiched in between the more serious occupations of selling toilet articles and cosmetics—as was so often the case before.

Lessons of the Past

What, then, have we learned, and what are the prospects ahead? We have learned to our cost that the terms on which we entered the scheme can be altered to our detriment by ministerial decree with a vague promise to discuss the matter afterwards. We have suffered two cuts in our remuneration. First our container allowance was cut in half, and then, after a space to allow us to recover or forget, our oncost allowance was also halved. We are all considerably poorer as a result than we were at the beginning of the year, and we have less to spend on merchandise, as the representatives who call upon us can testify. A much greater sales resistance meets them today in the pharmacy than formerly, and their accounts in many cases are wilting.

The past year has seen two unprecedented events within the pharmaceutical profession. In the Isle of Man and in Scotland, pharmacists, exasperated by the treatment accorded them, withdrew or threatened to withdraw, their services. The worm has turned. In England, larger and less organised, a grumble of discontent is heard from those who think, and a dead inertia grips those who don't. We must face up to the fact that the present position, where we can still live on our professional earnings, is only transitory. For the moment the building of health centres on a national

scale is impossible, but we must not delud ourselves that it will not be done so soo as possible, or that the efficiency of th service we are rendering to the scheme wi weigh very heavily in the balance. good or ill, according to our individu beliefs, the nation is committed to a police of vast State-controlled enterprises ar services. The present Government believ in the ultimate efficiency of the syster Can it be other than irritating to its men bers to be forced by circumstances to ent into contract with a host of tiny indeper dent units, over whose equipment and bu ing they have little or no control, save for the drug-testing scheme? Will they I satisfied to leave private enterprise in co trol of the dispensing service of the natior

In his recent evidence to the Committee of Public Accounts on chemists' earnin Sir William Douglas (secretary to the Mi istry of Health) made the interesting o servation: "In the year ended March 3 1950 . . . the average income per pharma for the year is estimated at about £2,000 The statement was immediately seized upo by the sensation-loving Press, which a nounced in bold headlines that chemiwere "earning" over £2,000 a year und the scheme. Surely to earn is to acqui for one's own use. The National Pharm ceutical Union promptly published the tr fact that that amount was a gross paymer of which 60 per cent, was taken to pay f drugs and appliances supplied, bringing t true earnings to below £1,000 a year, B the damage had been done. Hundreds thousands of people read the original hea lines, and we pharmacists have felt t repercussions ever since. How many nev papers published in equal prominence t facts supplied to them by the N.P.U.?

Dispensing Fees and their Future

That, however, was only a minor matt compared with another statement in t report, which must give rise to grave m givings. After discussing the cut in the oncost allowance from 30 per cent. to 16 per cent., and the halving of the container fee, the report continues: "The prescription fee was a fee for service, and he did not think that that should be touched for the present" (author's italics). What does this mean? Is it the lifting of a corner of the curtain that covers 1951? Is it not the writing on the wall? Are we at present enjoying a brief rest between the second cut and the third? And how are we going to react to the next cut if it comes?

Many of us have increased our staffs and enlarged our dispensaries. Some have installed refrigerators and other expensive equipment in order to give a thoroughly satisfactory service. Have the wise ones been those who have done nothing at all in the way of outlay until they saw the future more clearly? Surely to undermine the terms agreed upon is the worst possible way to secure interest and co-operation on the part of the pharmacist. As 1951 dawns there is among the rank and file a feeling of great insecurity in view of what we have learned, and still more of what some of us can read between the lines. We know that before 1948 there were many pharmacists who did not earn more than bare pocket money from their National Health Insurance dispensing, and we are determined that those days shall never return. How are we to react to the threat of any further attack upon our fees?

Speaking of the right of doctors to enjoy perfect freedom to treat their patients as they think best, the report continues: "An intense storm would arise if the Ministry took upon itself to direct doctors as to how they should prescribe." How true, but why should not an intense storm be anticipated were the Ministry further to reduce the earnings of pharmacists?

Meek Contractors

So far we have been the meekest of all the contracting bodies. Except in Scotland, we have accepted our unpleasant medicine with hardly a murmur of protest. The questions must now be asked whether that co-operative and pacific attitude may not be the wrong method to adopt, and whether it merely serves to encourage further depredations? We are told that the meek shall inherit the earth, but it does not seem to work out that way in practice.

Does not the reference to medical men imply that strongly hostile reaction is regarded with respect in high places, and that the profession that reacts in that way is likeliest to be the one left longest in peace?

HEALTH SERVICE PENALTIES

THE West Sussex Executive Council in a report recently stated that the Ministry of Health had decided to withhold £10 from the remuneration of a West Sussex chemist for "advertising and canvassing." The chemist told the Council that he had no idea he was infringing the regulations. He had sent letters to about fifty doctors. They were typed separately and addressed to the particular doctor. He was advised that this process excluded it from the term "circular letter" in the regulations. There was nothing in the regulations, he claimed, that prevented one professional man writing to another, and he did not regard that as canvassing.

At a meeting of the Lancashire Executive Council held on November 22, 1950, a medical member directed attention to apparent discrepancies between penalties imposed on doctors and chemists for breaches of their terms of service. He failed to see why doctors' fines should be twenty times greater than those of chemists, and asked what offence a chemist would have to commit to warrant the £100 fine recently imposed on a doctor. The chairman said the fine was the heaviest the committee had imposed, but it was set at that figure on the advice of the doctors "to bring a doctor to his senses." Referring to a report that sixteen out of seventy-six tests for drugs and appliances had been referred to the Pharmaceutical Services Committee, member said it was an alarming state of affairs. Mr. M. A. Simmons (chemists' representative) said that all chemists would have their attention drawn by a circular to the implications of the report. The Pharmaceutical Services Committee recommended penalties ranging from £1 to £25. The heaviest were imposed upon companies which permitted prescriptions to be dispensed by unqualified persons.

Two chemists have been warned by Surrey Executive Council following analysts' reports that they dispensed low quality drugs. The first supplied tablets found to be yellow-spotted and wrong in content. The chemist had denied that the tablets were old stock. In the second case the chemist was stated to have dispensed a gauze and cotton tissue that was less absorbent than stipulated. The packet looked as if it might have been in stock for some time.

GUIDE TO NEW MEDICAMENTS

Information about new proprietary medicaments to be supplied principally on prescriptions. Editorial recommendation is not implied. Reprints obtainable on application.

RONDASE (Hyaluronidase, Evans)

Manufacturer: Evans Medical Supplies, Ltd., Speke, Liverpool.

DESCRIPTION: Hyaluronidase in sterile, freeze-dried form.

INDICATIONS: Hypodermoclysis; as an aid to absorption and spread of fluids and drugs

injected intracutaneously, subcutaneously and intramuscularly.

Dosage: As directed.

How Supplied: Boxes of six vials (each containing approximately 3 mgm.).

VEGOLYSEN

MANUFACTURER: Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, Essex. Description: Hexamethonium bromide.

INDICATIONS: Peptic ulceration and hypertension.

Dosage: As directed. The first dose should not exceed 25 mgm. parenterally, or 250 mgm. orally.

How Supplied: A 10 per cent. solution for intramuscular or subcutaneous injection, in boxes of ten 1 c.c. ampoules (each containing 100 mgm. hexamethonium bromide). Tablets containing 0.25 gm., in containers of 50 and 500.

Notes: The compound is contraindicated in the presence of cerebral arterial thrombosis and in glaucoma. Caution is required in using the preparation.

TRESAMIDE and CREMOTRESAMIDE

Manufacturer: Sharp & Dohme, Ltd., Hoddesdon, Herts.

Description and Formula: Tresamide:—Tablets each containing sulphamerazine, 0.1 gm.; sulphadiazine, 0.2 gm.; and sulphacetamide, 0.2 gm. Cremotresamide contains the same quantities of those ingredients in 5 c.c. of a flavoured suspension.

INDICATIONS: Pneumococcal, meningococcal, and gonococcal infections, acute infections of the upper respiratory tract and infections of the urinary tract, etc.

Dosage: Adult, 3 gm. of the total ingredients initially; maintenance dose, 1 gm. four-hourly.

How Supplied: Tresamide, in bottles of 100 and 500 tablets; Cremotresamide, in bottles of 4 and 16 fl. oz.

TOLAZOLINE - Boots

MANUFACTURER: Boots Pure Drug Co., Ltd., Station Street, Nottingham,

DESCRIPTION: 2-benzyl-4:5-dihydroglyoxaline hydrochloride.

Indications: Intermittent claudication, Buerger's disease, peripheral vascular disease associated with diabetes, Raynaud's disease, thrombophlebitis, varicose ulcers, bedsores, chilblains, etc.

Dosage: Average:—25-50 mgm. orally, four-hourly; 5-20 mgm. intramuscularly or intravenously, four-hourly.

How Supplied: Injection solution containing 10 mgm. of Tolazoline in 1 mil (in boxes of six 1-mil ampoules); tablets containing 25 mgm. in bottles of 100 and 250.

Notes: Patients should not exercise actively after receiving Tolazoline. The drug is contraindicated in cases of active peptic ulcer.

COMPANY FINANCE IN THE PAST YEAR

By a Financial Correspondent

MANUFACTURING chemists and drug-trade companies during 1950 nearly all paid dividends either equal to or more than those paid during 1949. Profits generally were also higher. The financial years covered, however, all ended at periods between the close of 1949 and the middle of 1950. The results analysed below, therefore, cannot be taken as wholly representative of business conditions for the calendar year. (Figures in parentheses represent issued and paid-up share capital.)

Profits Steadily Rising

April saw the net profit of SMITH & NEPHEW & ASSOCIATED COS., LTD. (£650,000) returned at £106,286 for the year ended December 31, 1949, against £101,328 for 1948. Profits of the group have been steadily on the increase since 1941, when a figure of just under £51,000 was returned. The dividend rate for each year since 1939 has been 18¾ per cent.

In April, also, Monsanto Chemicals, Ltd. (£2,400,000), for the year ended December 31, 1949, published net profit at £278,499, against £363,898 for 1948—the highest figure for many years. Dividend, however, was maintained at a total of 45 per cent., the amount paid

for each year since 1947.

May was noteworthy for the publication of the accounts of Yardley & Co., Ltd. (£990,150). For the year ended December 31, 1949, net profit was given as £724,036, against £460.926 for 1948, attributable to the parent company. For 1949, a dividend of 55 per cent, was paid, against 75 per cent, for 1948, plus a capital bonus of 663 per cent. In the consolidated balance sheets that accompanied the accounts, goodwill was shown at the unaltered figure of £1.

In May, also, BARCLAY & SONS, LTD. (£54,151), showed net profit to December 31, 1949, as only £242, against £2,392 for 1948, £8,671 for 1947, and £9,730 for 1946. For each of those years, however, the dividend was maintained at 10 per cent.

Many reports were published in June, They began with The British Drug Houses, Ltd. (£1,350,000), consolidated net profit for the year ended December 31, 1949, being returned at £116,371, compared with £66,571. The 6 per cent. dividend was the same as for each year since 1945, inclusive. Howards & Sons, Ltd.

(£828,000), for the year to December 31, 1949, gave net profit for the parent company as being slightly higher than in the previous year, i.e., £68,124, against £65,000, with the dividend 15 per cent., against 50 per cent., but plus a capital bonus of 300 per cent. The company is a relative newcomer to the floor of the Stock Exchange, as it was not made public until November 1949.

The results for Taylors (Cash Chem-ISTS) TRUST, LTD. (£1,000,000). were also issued about the same time, net profit for the year ended about December 31, 1949, being given as a shade under £124,000, compared with just under £100,100 for 1948. The dividend on the 1s. deferred ordinary class was at the rate of 67.8 per cent., against 11.36 per cent. All the preferred ordinary and deferred ordinary shares are held by Timothy Whites & Taylors, Ltd., as well as 37,644 of the 440,000 6 per cent. cumulative preference shares. Timothy Whites & Taylors, LTD. (£2,242,758 10s.), gave their net profit figure as £398,168 to December 31, 1949, against £465,792 for the fifty-three weeks ended January 31, 1949, and a shade under £543,000 for 1947, the lastnamed figure being the highest for many years. For each of the three years, however, the dividend was maintained at 322

Increases in Capital

per cent.

The remaining report, issued in June, was that for Evans Medical Supplies, Ltd. (£549,645). The capital figure results from a capital increase effected in March 1950. Net profit of the parent company, to December 31, 1949, was given as £54,323, against £27,477, the former figure being the highest for many years. The total dividend rate of 10 per cent., however, was the same for each year since 1945 inclusive.

July saw the report for W. J. Bush & Co., Ltd. (£800,000). Here, also, the capital was recently increased (in November 1050) by £50,000. Net profit to December 31, 1949, was returned at a new high record total of £209,559, against £172,624. The corresponding amount for 1947 was £195,347. The reaction of 1948 would appear to have been more than recovered in 1949. Dividend and bonus for that year was 17 per cent.,

against 14½ per cent. for 1948 and 12 per

cent, for 1947.

Net profit, after taxation of Boots Pure Drug Co., Ltd. (£3,320,000) (the parent company), in this instance for the year ended March 31, 1950, was given as £720,378, against £627,662 for 1949. The existing issued and paid-up capital includes an increase which was effected in March 1950. The total dividend rate of 40 per cent. for 1950 was the same as for each year since 1947, inclusive. A statement issued in March 1950 included the information that the volume of Christmas business completed at home was an all-time record.

September saw the results for BEECHAM MACLEAN HOLDINGS, LTD. (£3,518,449). (The entire £2,000,000 ordinary issue is held by the controlling company, Beecham Group Ltd.). Profit for the year ended March 31, 1950, was returned at just over £408,000, against £284,322. Ordinary shareholders participated in this increase, as the dividend was stepped up to 312 per cent., compared with 21 per cent. for 1949. At the same time A. F. SHER-LEY & Co., LTD. (£120,000), issued a report for the year to March 31, 1950. All the deferred class and about one-third of the remaining cumulative preferred ordinary class of the company are held by Beecham Group, Ltd. Net profit was given as £8,397 (compared with £7,584), being the highest for several years. The 1950 dividend was 28 per cent, on the deferred class, against nil for 1949. Accounts of BEECHAM GROUP, LTD. (£5,012,500), for the year ended March 31, 1950, gave the parent company's net profit as £491,710, against £448,765. The 1950 total dividend of 40 per cent, on the 2s. 6d. deferred shares compares well with 36 per cent, for The chairman's speech included 1949. the information that home sales for the year under review reached the record figure of £14,500,000. That was about £1,500,000 higher than the previous year's total. Export business was also a record.

In the last quarter of 1950, BRITISH CHEMICALS & BIOLOGICALS, LTD. (£3.568,368), published a report. (Formerly known as the Genatosan Trust, Ltd., the company is controlled by Fisons, Ltd.). Net profit for the year to June 30, 1950, was given as £75,152, against £16,069 for 1949 and £5,151 for 1948. No dividend was paid for any of those three years.

In November, GLAXO LABORATORIES, LTD. (£1,496,350), issued results for the

year ended June 30, 1950. Consolidated net trading profit, after taxation, was returned at the substantial figure of £1,236,576, against £908,307 for 1949 and £674,736 for 1948. For 1950, shareholders received a total dividend of 172 per cent., plus a capital bonus of 900 per cent., against a dividend of 125 per cent, for 1949 and 934 per cent, for 1948. One of the last reports published during 1950 was that for ALLEN & HANBURYS, LTD. (£595,100). Capital subdivides into three classes of preference, two of preferred ordinary and one of ordinary, the last being privately held. Net profit, to June 30, 1950, was given as £65,602, against £111,464 for 1949 and £138,971 for 1948. The dividend, however, for each of those years was maintained at a total of 171 per cent.

37	1	- 1	195	50			Ī
Name of Company £1 units unless otherwise stated	Нісн		Low		END DECEMBER		F
	s.	d.	S.	d.	- s.	d.	Ī
Allen & Hanburys, 7%							
prefd. ord Barclay & Sons	28	3	26	3	27	6	
Beecham Group, 2s. 6d.	37	0	37	О	37	6	
defd	15	3	II	10	13	6	
Beecham Maclean Hold-					-5		
ings, 4% red. cum.	-0						
pref Boots (Eastern), 6%	18	9	16	9	18	3	
cum, "A" prefd	28	0	26	0	27	9	
Boots (Western), 7% "A" prefd. ord							
"A" prefd. ord	30	6	28	6	30	6	
Boots Pure Drug, 5s. ord	51	3	44	$4\frac{1}{2}$	48	9	
British Chemicals &	3.	3	44	42	40	9	
Biologicals, 4% cum.							
red. pref	18	9	16	3	17	0	
British Drug Houses, 5s., ord	9	0	6	0	-	0	
Bush, W. J. & Co	85	0	45	101	85	3	
Evans Medical Supplies,				_	_		
Glaxo Laboratories, 10s.	9	I ½	5	3	8	0	
ord. stock	60	9	40	o	59	3	
Glaxo Laboratories, 10s.	00	9	40	Ü	39	3	
8% cum. prefd. ord.	17	I 1/2	15	0	16	9	
Howards & Sons, 5½%							
cum. pref Monsanto Chemicals,	23	9	22	9	23	3	
5s. ord	52	0	46	0	50	1 1	
Savory & Moore, 5½%		- 1					
red. cum. pref Smith & Nephew Asso-	21	2	19	9	20	3	
ciated Co., 4s. ord.	20	71	16	3	20	0	
Taylors, Cash Chemists		12		3			
(London), 6% cum.						_	
pref Taylors, Cash Chemists,	24	3	20	6	23	6	
Trust, 6% cum. pref.	24	3	20	9	23	9	
Whites, (Timothy) &		"	-	9	-3	3	
Taylors, 7½% cum.				_			
whites, (Timothy) &	32	6	27	6	31	3	
Taylors, 5s. ord	33	6	27	3	32	9	
Yardley & Co., 4s. ord.	33 38	6	33	ŏ	38	9 1호	
Yardley & Co., 4½%	20	71	**		200	0	
cum. 2nd pref	. 20	151	19	3	20	3	

CHEMICAL AND DRUG TRADE IN 1950

Rise in prices of chemicals, particularly since the start of the war in Korea; unparalleled scarcity and high cost of some crude drugs; higher prices for essential oils—those were the features of 1950.

THE first quarter of 1950 saw steady progress in most sections of the chemical trade. There was a gradual relaxation or complete removal of controls. Home-trade demand for pharmaceutical and fine chemicals was rather small at the beginning of the year, while the volume of exports was about the same as in the last three months of 1949, and had not shown any appreciable effect of sterling devaluation.

Increasing Commonwealth Trade

Shipments of chemicals to the United States were not large, and there was a falling-off in exports to the Indian market owing to restrictions imposed by the Indian government. However, trade with other countries, particularly in the Com-

monwealth, gradually increased.

A brisk export demand was noted for emetine. Santonin and thymol were in good inquiry; supplies were difficult to find though prices remained relatively steady. Earlier in the year fractional increases occurred in acetanilide and chloroform. Zinc oxide advanced by 35s. per ton, though later in January the price reverted to its former level. On the other hand, technical and solvent ethers were cheaper, as were calciferol, ascorbic acid and mandelic acid. A reduction of freight charges to this country from the U.S. prompted reductions of 20s, per ton in the prices of borax and boric acid.

From the beginning of February, magnesium oxide and carbonate were dearer. Increases were announced in the prices of benzoic acid, sodium benzoate and methyl salicylate. Owing to higher replacement cost of clove oil, manufacturers of vanillin were obliged to increase their rates for that product by 4s. per lb. Demand was good and it was reported that makers hoped to expand output considerably. An appreciable advance occurred in cocaine prices. Potassium nitrate was dearer. Sulphonamides were in good demand and at a higher level of prices. Stearates were a firmer market, with supplies difficult to procure; the shortage persisted throughout the year. Para-amino salicylic acid and its sodium salt, however, were easier as a result of increased production and competition between makers. Aspirin and the salicylates were in good export inquiry, with demand at times greatly in excess of make. Lower prices were announced for penicillin, following an expansion in production. Benzocaine was easier. Some improvement occurred in deliveries of caffeine and theobromine which had been very short, and prices of the former increased during March. Theophylline, however, was slightly easier. Ephedrine advanced as a result of higher cost of raw material, and quinidine was also dearer.

Two increases, each of 35s. per ton, were announced in March for zinc oxide. Lead compounds moved up as a result of higher cost of metal. Prices of potassium permanganate, however, were reduced.

Early Overseas Purchases

Activity in crude drugs during the first months of the year was not substantial, though many primary markets gathered strength, largely as a result of American and Continental buying. Drugs of transatlantic origin were high in price. Cape aloes was firm and in short supply, and the purchasing of supplies was to prove difficult later in the year. Portuguese ergot on the spot was firmly held at prices from 26s, to 28s, per lb., while supplies of Russian were offering at about 22s. 6d. per lb. Japanese agar was short, but import licences had been granted to bring in further supplies for the home trade, and c.i.f. prices, which were about 8s, per lb., were only half the spot values. Rhubarb was scarce on the spot market and, though large purchases had been made from China, shipment was delayed. Honey was a weak market, with substantial supplies of Australian material available, Menthol, which was meeting with no appreciable demand, was easier though a report that the Brazilian peppermint crop was smaller than average caused forward prices to move up from 79s. 6d. to 87s. 6d. per lb., c.i.f. However, many buyers had already covered their requirements and shipments later declined to 65s, a lb. Tinnevelly senna leaves on the spot were selling well at about $6\frac{1}{4}$ d. to $6\frac{1}{2}$ d. per lb. for f.a.q. No. 3's, and as stocks became depleted prices gradually moved up as a result of higher costs of replacement. Good-quality Alexandrian senna pods were difficult to buy on the spot.

A steady trade was being done in gum acacia, spot supplies of Kordofan clean sorts were 86s. per cwt., and bleached gum 145s. Tragacanth was in good demand with select white ribbon on spot offering at £125 per cwt. The price moved up later in the quarter to £130. Waxes were steady and without special feature. Spices generally remained firm, though African ginger was subject to wide fluctuations in price. It was evident that higher prices were having the effect of accelerating the harvesting of ginger, and some inferior quality was being shipped. Jamaican ginger was also active, with high prices paid.

End of Essential Oils Control

The removal of birch tar, lemon and wormseed oils (except when emanating from hard-currency sources) from the distribution scheme early in January brought the work of the Essential Oils Control virtually to an end. Since 1943, during the years of shortage, the Control had successfully provided the machinery for the fair distribution of essential oils.

In the early months of the year, a number of oils were in short supply, including Chinese star anise and cassia, and high prices were asked. There were indications that prices of Ceylon citronella, palmarosa and Singapore patchouli oils were likely to rise. Bergamot was a firm market. From France, reports estimated that the prices of lavender oil would increase by approximately 25 per cent. In February, news came from Réunion that geranium and other Bourbon oils were dearer as a result of a hurricane that had swept across the island, destroying a large part of the English-distilled clove-bud oil advanced, owing to the rising cost of cloves. Zanzibar and Madagascar clove-stem and leaf oils also gained in value. A number of aromatic chemicals, including eugenol, responded to the increases in essential oil prices. On the other hand, Chinese peppermint (arvensis) oil weakened with an increase in the number of offers for shipment. Star anise oil eased gradually as the seasonal demand fell away. In March, several offers of peppermint (piperita) oil were received from the Continent. Dutchdistilled spearmint was easier. Mysore sandalwood was in good request and supplies were short. Palmorosa oil was scarce.

The Second Quarter

Activity in the chemical trade generally was well maintained during the months that followed. Exports of British fine che-

micals were meeting with more competitive conditions, but sterling devaluation helped considerably. Nevertheless, price shading was found necessary to sell many products. Home trade was fairly steady and though some products showed increases in price, they were fairly well balanced by reductions in other directions

Glycerin was among the products for which higher prices were asked. effort to maintain supplies, British producers found it necessary to import crude glycerin at world market prices, which were considerably above those prevailing in this country. At the beginning of April a further rise of 35s, per ton occurred ir prices of zinc oxide, while others followed later in the second quarter, and the price of B.P. grade stood at £130 per ton or June 30, against £96 15s. per ton or April 1. Bismuth and silver salts on the other hand were down in price. Bromides were easier. The phenol shortage, together with difficulties in production, caused rises in aspirin, salicylic acid and sodium salicylate. Santonin was receiving a good inquiry for export, but supplies were difficult to obtain throughout the year and odd lots coming on to the market were sold for high prices, well above the nominal quotations of producers. Tartaric acid and tartrates, and ephedrine and its salts, were cheaper. A further reduction occurred in ascorbic acid prices. Vanillin went up again with the gradual rise in the cost of clove oil. P.A.S. was an easier market as a result of an increase in production in this country and growing competition from Continental producers.

Spot Market Scarcities

Meanwhile, in the drug trade, large quantities of Alexandrian senna pods were going for export, Rhubarb remained short on the spot, and common round commanded from 11s. 6d. to 11s. 9d. per lb., duty paid; more parcels from China turned out to be rhapontic root, while others were of an inferior quality. Early in May we reported that there were no supplies of old-crop ergot from Portugal, while the new crop was expected to be light as a result of unfavourable weather. A month later new-crop Portuguese ergot was indicated at 25s. to 28s. per pound, c.i.f. Owing to a smaller crop than usual in 1949 it was thought that the carryover of ergot could not have been large. The 1950 peel of cascara sagrada was expected to be in the region of 250s. per cwt., c.i.f. Later it was learned that the

work of peeling had been started late and that labour costs had increased. Reports that the Indian shellac crop was smaller than average caused prices to rise sharply; F.O.T.N. grade on the spot shot up from 225s. to 260s. per cwt. Tragacanth gained strength as a result of a greatly increased demand. Prices of carnauba wax began to rise. Early in June, a lack of offers of camphor from Hong Kong was responsible for increased prices of that commodity; supplies from Formosa, particularly of refined powder, were not easy to obtain. Cape aloes on the spot was selling at 125s. per cwt., and shipment offers from South Africa were at 120s., c.i.f.

Essential oils during the spring and early summer months were firm, except for Chinese star anise, Ceylon citronella and Indian lemongrass, for which there was little demand. Eucalyptus oil was short, and clove oil, owing to the rising cost of Zanzibar cloves, was dearer. Bourbon geranium, vetivert and ylang-ylang were firm, but had not yet advanced to the high prices that were asked later in the year. Import licensing relaxations brought all natural essential oils into the list of commodities that could be brought in on open general licence when originating in the "permitted" countries.

Effects of Phenol Increase

On July 1, a rise of 1s. per lb. was announced in phenol. The increase had been expected for some time, and brought in its train a small advance in aspirin, salicylates, guaiacols and several other products. The easier position of mercury was reflected in lower prices for mercurials. On July 12, we recorded that, though the undertone of the market was firm, most sections were steady and home trade prices were unchanged. Shortly afterwards, a not unexpected rise occurred in glycerin, though few would have forecast the extent (£40 per ton) of the increase. Glycerophosphates also moved up. Thymol, which remained short, was advanced by 4s. per lb., owing to the increased cost of Australian raw material—a further increase, of 4s. 6d., was made in the final weeks of the year.

Early in August, bismuth metal reverted to the price at which it had been sold prior to May 20, and higher prices followed for the salts. Mercury began to rise, and mercurials advanced to the level of January 23. Demand for citrates, tartrates and sulphonamides was brisk. Aspirin and salicylates were in good inquiry, and deliveries

were delayed. Santonin remained very scarce, and prices were again increased. Forward deliveries of zinc oxide were dearer owing to the stronger market that was developing for zinc and non-ferrous metals generally. The pace of American buying for stock-piling increased greatly during August. Towards the end of the third quarter of the year, further advances were made in bismuth, mercury, silver and zinc salts and their derivatives, while a firmer market abroad for argols was responsible for upward movements in tartaric acid and salts. Barium salts also increased. In October, the increased cost of molasses was responsible for distillers' advancing prices of alcohol. This brought about increases in acetic acid, ether, aspirin, acetanilide, and a number of solvents. Citric acid rose in price—the first increase for nine years—and citrates fol-lowed. Two increases in liquid paraffin occurred during the last few months of the

World Glycerin Demand

November further a advance (£59 10s. per ton) in glycerin prices took place, reflecting the stronger position of the chemical in world markets; the British consumer of glycerin, however, was still at an advantage compared with buyers in other countries. Atropine and ephedrine were dearer. The shortage of isopropanol from America for the production of acetone caused the rationing of the latter, which was also advanced by £12 per ton. Penicillin and the steroid hormones were cheaper, and were among the few exceptions to the general upward movement. In December mercurials advanced further, while zinc oxide rose by £31 15s. per ton. In the final months of the year, raw materials of all kinds, including a number of chemicals, became very short, primarily because of stock-piling by the U.S. Government and generally increased demand attributable to uncertainty in world affairs. Chemical exports increased greatly, and shipments to dollar countries were much larger. Prices of chemicals at the end of the year had apparently not reached their maximum.

In crude drugs, the summer months saw arrivals of better supplies of Chinese rhubarb. As early as July, however, ergot was difficult to find on the spot, and there were few offers from origin. It was thought that Spain had a good crop of ergot, and there were indications of 25s. to 26s. per lb., c.i.f., for July-August ship-

ment. In late September, prices had risen to 37s. 6d., c.i.f. and Portuguese shippers reported that demand was brisk, particularly from Germany and other Continental countries. In December, the small lots available on the spot were selling at as much as 65s. per lb. Prices of Cape aloes moved steadily upwards and demand was good. The rise in Tinnevelly senna prices, which had begun in the summer months, continued. Arrivals of dry-crop senna were poor, and wet-crop senna was delayed. Indian shippers were doing a substantial business with America and Europe at high prices. Alexandrian pods were short, and no supplies of good quality came on to the London market. During the summer months Chinese camphor was a weak market, and was offering at around 2s. 11d. per lb., c.i.f. A shortage of Brazilian menthol was largely responsible for the firm tone, on the spot, of Chinese material, which nevertheless was selling well. In July and August prices of Chinese menthol were between 93s. to 96s. per lb., duty paid. Towards the end of September the price rose to 105s., duty paid, though it eased slightly in the final weeks of the year. Shortages of beeswax and carnauba wax continued and prices rose further. Cinnamon, cloves, ginger and pimento were strong markets. Nicaraguan and Columbian ipecacuanha, Aden myrrh and Sumatra benzoin were all higher in price. Papain was scarce and dearer. Arrivals of gum acacia were small and prices were high. The concluding months of the year saw a good demand for Tinnevelly senna leaves, Sumatra benzoin, Peru balsam, Cape aloes and Portuguese ergot, all of which gained in value. Balsam tolu was also dearer for shipment, though spot supplies, complying with B.P. requirements, were selling at low prices by comparison with c.i.f. values.



Progress in Mincing Lane reconstruction

Opening and Closing Prices

Opening	and	Closi	ng	Price	es	
Сомморіт			JANUARY		DECEMBER	
Agar, strip, per lb. Aloes, Cape, per cv Aspirin, per lb. At opine Sulphate, Balsam, Peru, per l Benzoin, Sumatra, Bismuth carbonate,	vt per oz lb per cwt.	1 /5.	11d.	9s. 202s. 3s. 38s. 9s. £26 I	6d. 11d. 3d. 9d. os.	
Boric acid, per ton Buchu leaves, per l	b	£79 10 3s.	os. 4d.	£78 1	os. 2d.	
Buchu leaves, per l Caffeine, per lb Calam'ne, per lb. Calcium lactate, pe Camphor, refined	r 1b	36s. Is. 2s.	6d. 9d. 2½d.	37s. 2s. 2s.	6d. 7d. 5½d.	
Cantharides, Chine	per lb.	5s.	od.	4s.	4d.	
Cardamons, Aleppy	per lb.	6s.	6d.	5s.	6d.	
	per lb.	18s.		24s.	- 17	
Cascara sagrada, p		275s.		36os.		
Current crop Citric acid, per lb.		Is.	_ 5½d.	345s. Is.	7½d.	
Citronella oil, Ceyl	per lb.	8s.		IIS.	3d.	
Cloves, Zanzibar, p Ergot, Portuguese,	per lb.	IS.	4½d.	25.	2d.	
(c.i.f.) Eucalyptus oil, per Gentian, French, pe	lb	25s. 4s.	9d.	65s.	9d.	
Gentian, French, po Ginger, per cwt.:	er cwt.	70s.		97s.	6d.	
Ginger, per cwt.: African Jamaican, N	0.3	350s. 355s.		320s. nom	inal	
Jamaican, N Gum acacia, Kordo	fan sorts, per cwt.	88s.		115s.		
Ipecacuanha, per c Colombian	wt.:	37s.	6d.	43s.		
Nicaraguan Lavender oil, Frenc		42s. 19s.		44s. 45s. (c.i	6d.	
Liquorice root, A natural, per cwt. Mace, W.I. blade, p Menthol, per lb.:	natolian per lb.	55s. 6s.		50s. 9s.		
Brazilian		82s.	6d.	T000	- (
Chinese Mercury, per flask Papain, East Africa		90s. £22 10	s.	103s. £42 10	os.	
		15s.		_		
per lb. (c.i.f.) Pimento, per lb Potassium bromide,		41S.	4½d.	28s. 1s.	6d. 8¼d. 2½d.	
Potassium bromide, Rhubarb, Chinese, Sarsaparilla, Ja	per lb.	2s. 10s.	4½d. 4d. 6d.	2s. 7s.	2½d.	
native red, per lb Seeds: Anise, Turkis	· ···	28.		28.	6d.	
	per lb.	165s.	ĺ	160s.		
	er cwt.	122S.	6d.	195s.	- 1	
Celery, India Coriander, M	per cwt.	18.	5d.	IS.	10½d.	
	per cwt.	85s.	64	172s.	6d.	
Dill, Indian Senega, per lb		62s. 10s.	6d. 3d.	80s. 18s.	6d.	
Tartaric acid		2S. 170S.	7½d.	2s. 220s.	10½d.	
Tragacanth, selected	er cwt.	£115		£150		
Waxes: Bees' Dar-es-	Salaam.	375s.		56os.		
Candelilla, p Carnauba, fa	er cwt.	435s.		535s.		
Zinc oxide, B.P., per	CI CWI.	66os. £95		940s. €185		
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TRADE REPORT

pot quotations for pharmaceutical chemicals represent the prices for wholesale quantiies of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

8 Essex Street, W.C.2, Jan. 3

Substantial inquiry is being received or Pharmaceutical and Fine Chemicals f all kinds and supplies for immediate elivery are increasingly difficult to obain. In many directions makers have und it necessary to limit quantities suplied to customers. The cost of raw materials continues to rise. Owing to a sharp dvance in the price of metal higher prices re now operating for Mercurials. From anuary 1, Sulphanilamide is dearer. An acrease of 7s. 6d. per ton has occurred the rates for anhydrous Sodium sulmite, while crystals (photographic) are p by 5s. per ton. Quotations for Nico-Inic acid have risen by 3s. 6d. per lb. good demand is reported for Aspirin anuary 1.

The markets for CRUDE DRUGS have been elatively quiet since the Christmas holiay. Offers of Cape Aloes are still diffiult to find—the small supplies coming on he market have been sold for higher rices. Curação aloes is tending firmer. Sumatra Benzoin continues to advance. ERGOT remains short on the spot; suplies afloat are offering at upwards of 7s. 6d. per lb. Tinnevelly Senna is beoming increasingly short on the spot and he quality of leaves now available is low. is slightly firmer. HELLAC market has been active and spot rices have been further marked up. PRAGACANTH has been in good demand at dvancing prices. A feature of the Spices narket has been a sharp rise in Zanzibar Loves; it is understood that owing to a eavy demand Zanzibar has been buying ubstantial quantities from Madagascar, nd on the open market in the former lace prices of cloves have exceeded 200s.

er 100 lb. (see p. 32).

The Essential Oils markets have been ather dull but prices are well maintained. Inglish-distilled Clove bud oil has been narked up 2s. 6d. per lb. owing to the ncrease in the cost of raw material. EMONGRASS is a firmer market; America s buying up substantial quantities from ndia for producing vitamin C.

U.S. Drug and Chemical Report New York, December 29

BRISK inquiry is reported for PHARMA-EUTICAL and FINE CHEMICALS generally. Supplies of D.D.T., and other insecticides ased on benzene and chlorine are expected to be in short supply during the common month. MENTHOL has further advanced at is now quoted at \$13 per lb, on the pot market, The "Journal of Commerce" tates that the immediate outlook for menthol is regarded as exceedingly strong since there appears to be little hope of obtaining further replacements from China. Camphor Tablets have been raised in price and are meeting with a good inquiry. Seasonal influences are having their effect on the Crude Drugs markets, though the volume of inquiry during the past week has been fairly substantial. Many drugs are in short supply including Tinnevelly Senna leaves and Sumatra Benzoin. Holders of stocks of Far Eastern produce are not anxious to sell in view of the international situation. Balsam tolu has been advanced 25 cents per lb. to \$5 per lb. Strong markets are reported for Essential Oils and higher prices are expected for both domestic and imported products. Prices of Clove bud oil are up by 25 cents at \$2.75 per lb., Florida Orange is up by 25 cents at \$1.75, Italian Lemon has risen to \$3.75, and Bois de rose to \$4.50 by similar amounts. Replacements of Chinese star Anise and Cassal oils are impossible to obtain and some dealers have advanced their prices to discourage further buying.

Pharmaceutical Chemicals

ASCORBIC ACID.—1-kilo lots for the home trade are £14 per kilo; 500-gm., £14 10s. per kilo.

ASPIRIN. — Prices rose on January 1.

New price for 10-cwt. lots is 3s, 11d., and 1-cwt. lots, 4s, 0½d, per cwt. Scheduled rates for quantities of 28 lb. and under 1-cwt. range from 4s, 9½d, to 5s, 1½d, per lb. as to pack. Rates per 1,000 for bulk supplies of Tablets are as follows:—Under 5,000, 4s, 2½d.; 5,000 and over, 4s, 0½d.; 10,000, 3s, 11½d.; 25,000, 3s, 9½d.; 2,000,000, 3s, 6½d.; 1,000,000, 3s, 5½d.; 2,000,000, 3s, 4½d.

Barium sulphate. — 1-cwt. lots are 1s. $4\frac{1}{2}$ d. per 1b. Scheduled rates per 1b. (containers in brackets) for quantities between 28 lb. and 1 cwt. are as follows:—1s. 10d. (1-lb.); 1s. $7\frac{1}{2}$ d. (7-lb.); 1s. 7d. (14-lb.); 1s. 6d. (28-lb.).

BISMUTH SALTS.—Prices are unchanged. In 1-cwt. lots Carbonate is 21s. 5d. per lb.; Citrate, 19s. 7d.; Salicylate, 18s. 1d.; Subgallate, 19s. 8d.; and Subnitrate, 18s. 10d. per lb.

Borax.—Steady. Rates for B.P. quality in t-ton lots and upwards are as follows:—Granular, £44: crystal, £46: powder, £47; extra-fine powder, £48 per ton; in 1-cwt. bags, carriage paid, Great Britain. Surcharges for small quantities are as follows:—Less than 1 ton but not less than 5 cwt., 1s. per cwt.; 3 cwt., 2s.; 1 cwt., 3s. to 5s.; less than 1 cwt., 5s. to 10s. per cwt, more than above rates.

LIQUID PARAFFIN. - Price to wholesale distributors for Heavy, B.P., is £96 10s. per ton (7s. 7½d. per gall.). Light, B.P., is £77 10s. per ton (6s. per gall.). in 40/45 gall. returnable loaned drums. White and Yellow soft paraffin are £91 6s. 6d. and £68 0s. 6d. per ton, respectively, in nonreturnable 3-cwt. drums. Hard Paraffin, m.p. 135/140° F., is £81 14s.; and 145/150°F., £104 10s. per ton. Delivered in the U.K.

Magnesium hydroxide, B.P.C.—Makers' price for 1-cwt. lots is 3s. 5d. per lb.

Magnesium oxide. — Cases containing 56 lb. in bulk of Heavy, B.P., are at the rate of 4s. 1d. per lb. Light, B.P., in bulk is from 2s. 6d. to 2s. 9d. per lb.

MAGNESIUM TRISILICATE (B.P.).—Price for 5-cwt, lots in 28-lb, containers is 3s, 5d, per lb, and 1-cwt, lots, 3s, 7d, per lb, Smaller quantities are quoted at 4s, 4d, to 5s. per lb. as to packing.

METHYL SALICYLATE.—Current rates are as follows: Winchesters, 2s. 8\frac{1}{2}d. per lb.; 56-lb. lots in demijohns, 2s. 7d.; 1-cwt., in demijohns or carboys, 2s. 6\frac{1}{2}d.; 5-cwt., 2s. 6d. not. Policy for the control of the control o 2s. 6d.; net. Prices are unchanged.

NICOTINIC ACID.—Quotations are about 43s. 6d. to 45s. 6d. per lb., as to quantity.

Phenobarbitone. — Home-trade prices are unchanged at from 35s. per lb. upwards, according to quantity.

Salicylic acid. — Higher prices from January 1. 5-cwt. lots are 2s. 6½d, and 1-cwt. lots, 2s. 7d. per lb. Scheduled rates in the home market for quantities of 28 lb. and under 1 cwt. are from 3s. $1\frac{1}{2}$ d. to 3s. $5\frac{1}{2}$ d. per lb., as to pack.

SODIUM SALICYLATE.—Higher prices from January 1. 5-cwt. lots are 2s. 111d. and 1-cwt. lots, 3s. per lb. Scheduled rates in the home market for quantities of 28 lb. and under 1 cwt. are from 3s. 6½d. to 3s. 10½d. per lb., as to pack.

SOLVENTS AND ESTERS.—Owing to rises in raw material costs, the prices of a number of organic chemicals have recently been increased. New prices per ton are as been increased. New prices per ton are as follows:—Diacetone alcohol, £132; methyl ethyl ketone, £115; mesityl oxide, £174; amyl lactate, £390; butyl lactate, £390; tributyl citrate, £332; butyl oleate, £275; ethyl oleate, £249; butyl stearate, £286; diethyl tartrate, £406; dibutyl tartrate, £378. Minimum, I ton or under 10 tons are to contract over a calendar year carretter over a calendar year carretter. spot or contract over a calendar year, carriage paid, packages returnable at seller's expense.

SULPHANILAMIDE. - Makers have advanced prices. 5-cwt. lots are now 8s. 6d. per lb.; 1-cwt. lots, 8s. 10d.; 28-lb., 8s. 11d.; and 14-lb., 9s. 2d. per lb.

TANNIC ACID.—Firm. Home-trade rate for Levis, B.P. (ex ether) in 1-cwt. lots is 7s. 6d. per lb.; B.P. powder is quoted at 7s, 3d. per lb. for the same quantity.

Crude Drugs

Aconite.—Spanish napellus is offered 3s. per lb., spot, duty paid.

AGAR.—Kobé No. 1 on the spot is stead at 9s. 6d. to 9s. 9d. per lb., duty paid; for shipment, 8s. 3d., c.i.f.

Aloes. — No offers of Cape from the source, spot; 232s, 6d. per cwt., noming Curação has been marked up to 240s. pe

Benzoin.—Spot Sumatra benzoin bloc is upwards of £30 per cwt.; no offers for shipment, quotations have been in the r gion of £25, c.i.f. Siam almonds, to arriv 32s. 6d. per lb., quoted.

CAMPHOR. — Chinese refined powde (B.P.) is from 4s. 4d. to 4s. 6d. per ll duty paid; for shipment from Hong Kon 4s. 1d., c.i.f., nominal. B.B. grade 3s. 10d. to 4s. per lb., in bond; Decembe January shipment, 3s. 10d., c.i.f., n minal. \(\frac{1}{4}\)-oz. tablets, quoted at 5s. 6d., dut paid; for shipment, 4s. 9d., c.i.f. \(\frac{1}{2}\)-ll. paid; for shipment, 4s. 9d., c.i.f. $2\frac{1}{2}$ -lk slabs, 4s. 9d., duty paid; for shipmen 4s. 6d., c.i.f.

CANADA BALSAM.—Spot quotations are 22s. per lb.; in steady demand.

CASCARA SAGRADA.—Spot supplies are of fered at 350s, per cwt., duty paid.

Chillies. — Mombasa, spot, quoted a 345s. per cwt.; for shipment, 315s. to 320 per cwt. Sierra Leone, spot, 285s. pe cwt.; for shipment, 265s., c.i.f.

CLOVES.—Firm. Zanzibar on the spo 2s. 9d. per lb.; for December-January ship ment, 3s., c.i.f. Madagascar in bon 2s. 4d. per lb.; for shipment, 2s. 2d., n

Cochineal.—Black is offered at 5s. 6 and silver grain at 5s. per lb., spot London

Ergot.—Firm. Nominal value of sportuguese is 70s. per lb.; in Portugashippers are reported to be asking price ranging from 67s. 6d. to 70s., c.i.f.

GENTIAN. - Spot quotations are from 98s. to 100s. per cwt.

GINGER.—African is steady at 320s. pe cwt.; new-crop for February-April ship ment, 270s., nominal.

IPECACUANHA.—Firm. Colombian on the spot is offered at 43s. per lb.; for shi ment, 40s. 6d., c.i.f. Nicaraguau, spot, worth 45s. to 46s. per lb.; for shipmen 42s. 6d., c.i.f. Minas is available on th spot at 45s. per lb.

MACE.—West Indian pale blade is no minal at 9s. per lb.; for shipment, 9s c.i.f.; second-hands, 8s. 6d., c.i.f.

MENTHOL.—Quiet. Chinese on the spois quoted at from 100s, to 102s, 6d, per lb duty paid (in bond, 95s.). Afloat, 88s. t 91s., c.i.f. Shipment from Shanghai is hel up owing to absence of export per like for December Legence 10s. for December-January shipment from Hon Kong, 86s. 6d., c.i.f.

LYCOPODIUM.—Triple-sifted material, on he spot, is quoted at from 11s. per lb., luty paid.

MALT EXTRACT.—B.P. quality is quoted tt 86s. per cwt. in 1-cwt. or 56-lb. reurnable drums; with Cop-Liver oil (15 per cent. v/v.) the price is 99s. 6d. per cwt.; carriage paid.

MERCURY .- Prices have been marked up urther. Spot quotations are from £48 to 49 per flask, ex warehouse; forward ship-

ment, £47, c.i.f.

MYRRH. — Aden sorts, quoted at from 10 10s. to £12 per cwt.; siftings, £6 10s. o £7; both spot London.

NUTMEGS.—Steady. West Indian 80's, 4s, 6d. per lb.; unassorted, 3s. 6d., and wormy, 2s. 10d., spot London. East Indian 0's, for shipment, 5s. 7d. c.i.f.

ORANGE PEEL.—Spanish bitter quarters are quoted at 1s. 9d. and sweet ribbon at ls. per lb., both duty paid, ex wharf. West Indian bitter quarters are 1s. 4½d. per lb., pot.

PIMENTO.—Quiet. Spot quotations are rom 1s. 8¼d. per lb.; for shipment, 195s. er cwt., c.i.f.

Quassia. - Steady. Chips on spot are 32s. per cwt.; for shipment, 29s. 6d., c.i.f.

Rhubarb.—Chinese rough round on the pot is offering at from 6s. to 7s. 6d., luty paid, as to quality.

SARSAPARILLA.—The market is tending irmer. Jamaican native red on spot is rom 2s. 6d. to 2s. 7d. per lb.; for shipnent, 2s. 5½d., c.i.f.

SEEDS .- Spot Turkish Anise is 160s. per cwt. duty paid, and 150s. per cwt. in ond. Cyprus, spot Liverpool, is 175s. per wt., duty free. CARAWAY.—Dutch con-inues firm at 195s. per cwt. duty paid in London. CELERY.—Indian is unchanged at s. 10½d. per lb. spot London; for shipnent, 185s. per cwt. quoted, c.i.f. London. ORIANDER.—Market dearer for shipment; forocco. 163s. per cwt. vo. 2001. dorocco, 163s. per cwt. now quoted, c.i.f. ondon. Spot Morocco is 175s. per cwt. luty paid, and 160s. per cwt. in bond. Jumin.—Market remains firm; spot Cyprus official et 2005. s offered at 205s, per cwt, and Indian, 20s. per cwt. For shipment, Cyprus has dvanced to 195s, per cwt. c.i.f.; Indian is 180s, per cwt., c.i.f., and Morocco 45s. per cwt., c.i.f. DILL.—Indian is nactive on spot and 80s. per cwt. is now uoted, Fennel.—Indian is scarce on spot. 05s. to 110s. per cwt., quoted FENU-REEK .- Morocco is dearer for shipment; os. to 51s. now quoted spot London duty paid, and in Liverpool, 49s. per cwt. duty paid. No Indian offering.

b. for spot supplies and 18s. has been paid; for shipment, 17s. 9d. to 18s. per lb., uoted.

SENNA. — Scarce and firm. Tinnevelly leaves, f.a.q., No. 1, 1s. 5d.; No. 2, 1s. 2½d.; No. 3, 1s. 1d., spot, nominal. Tinnevelly hand-picked pods are from 2s. to 2s. 3d., spot. Alexandrian pods, 1s. 6d. per lb., nominal, spot; Alexandrian broken leaves are nominally at from 9½d, to 10½d, per lb. and siftings at from 8½d, to 9½d.

SHELLAC.—Spot F.O.T.N. pure is now 410s.; F.O. Standard 1, 425s.; and fine orange, 450s. to 500s. per cwt.

STYRAX.—Firm. Spot is quoted at 7s. 6d. per lb., duty paid (6s. 9d. per lb. in bond).

Turmeric.—Madras finger on the spot is 105s. per cwt.; for shipment, 98s. 6d. per cwt., c.i.f.

Valerian.—Belgian on the spot is quoted at 185s. per cwt., spot. Indian is available at 150s. per cwt., spot.

Essential and Expressed Oils

Almond.—Expressed sweet oil (B.P.) on the spot is from 5s. 3d. to 6s, per lb.; Bitter essential oil, s.a.p., on the spot, is from 24s. to 55s. per lb., as to grade.

AMBER.—Rectified on the spot is offered

at 1s. 2d. per lb.

ANISE.—A firm market. Spot supplies are nominally 13s. 6d. per lb.; for shipment, January-February, 13s. 3d., c.i.f.

CADE.—Spanish oil, B.P., on the spot, is quoted at from 3s. to 3s. 6d. per lb.

CAJUPUT. — B.P. quality is quoted at from 18s. to 19s. 6d. per lb.

CARAWAY .- English-distilled is quoted at

from 36s.; imported oils are offered at from 32s. 6d. to 35s. per lb., spot.

Cassia. — Firm. Spot is nominal at 27s. 6d. per lb.; for December-January shipment, 25s. per lb., c.i.f.

CITRONELLA.—Firm. Ceylon on the spot is quoted at 13s. per lb.; for shipment, January-February, 12s. 6d., c.i.f.

CLOVE.—Prices of English-distilled bud oil have advanced by 2s. 6d. per lb. 1-cwt. lots are 20s. 3d. per lb., with smaller quantities up to 21s. per lb.

Lemongrass.—Firm. Spot is quoted at about 28s. per lb.; January-February shipment, 27s., c.i.f.

Sandalwood. — Mysore oil on spot is from 75s, to 80s, per lb. Dutch-distilled (95 per East Indian, Dutch-distilled (95 per cent. santalol), 95s, to 97s, 6d, per lb., duty paid. West Indian is available at 19s. 6d. per lb., spot. English-distilled, 80s. to 85s. per lb.

Sassafras.—Brazilian natural is quoted at from 6s. 9d. to 7s. 6d. per lb., duty

paid, spot London.

SPEARMINT.—Spot supplies are offered at about 45s. to 50s. per lb.

THYME. — Red oil (40-42 per cent. phenols), 10s, 6d. to 12s, 6d. per lb.; white oil, 17s. to 18s. 6d. per lb., spot.

ZANZIBAR CLOVES

A MARKET review for the quarter ended September 30, 1950, has been published by the Zanzibar Clove Growers' Associa-Abstracts from the report, which covers the first quarter of the seasonal year

1950-51, are given below.

It is now possible to estimate the clove crop for the full seasonal year. There is no change as regards the Zanzibar crop estimate of 156,000 frasilas for the full season, but that of Pemba has increased by the addition of 50,000 frasilas expected from the vuli, or second part of the crop; the total for both islands is thus estimated at 1,000,000 frasilas. The new crop commenced in July but it was not until the end of the quarter that picking became extensive. Supplies for the three months under review have totalled 3,833,682 lb. The greater part of these supplies, viz. 3,770,067 lb., was the produce of Pemba; Zanzibar contributing 63,615 lb.

Prices

The Association's buying and selling prices for the quarter remained unchanged. The Association's selling prices per 100 lb. ex bulk, ex duty, to exporters only, usual contract, as from July 1, 1950, until further notice, are as follows:—Grade I Shs. 114.50; Grade II Shs. 112.50; Grade III Shs. 109.50. The terms of the Minimum Percentage of Exported Cloves Order, 1950, in force at present, define a nil contribution to exports by the Association. The selling prices are therefore nominal only. Average prices month by month for fair quality cloves in the open market during the period, as compared with those for the same period in 1940, are given in the following table:-

Монтн	Average 1	PER 100 LB.
July August September	1950 Shs. Cts. 174 73 161 18 145 22	1949 Shs. Cts. 76 33 76 66 83 05

The average price for the whole quarter was Shs. 148.02 per 100 lb. ex duty. Exports for the quarter were on about the same scale as for the previous quarter, India and Straits Settlements being the chief markets. In all 29,579 (4,141,145 lb.) were shipped. Clove duty was unchanged at Shs. 30.00 per lb. for

the quarter under review, and as from October 1, 1950 to September 30, 195

the duty will be Shs. 24.61.

Arrivals of stems at the Association' depôt for the quarter totalled 574 333 lb from the old crop. New-crop stems ar not expected to arrive in bulk until late in the year. Exports of oil totalled 66,405 lb. during the quarter (exports to the U.K., 43,863 lb.). The Association' buying prices for clove stems remained unchanged.

TRADE MARKS

From the "Trade Marks Journal." December 6, 1950.

For preparations for tinting the hair (3). COLORAL, B678,973, by Eugene Schueller Paris.

For hair lotions and toilet preparations (3), fo all goods (5), for nail files, clippers, tweezer spatulas and scissors (8), and for hair-brushes combs and toilet articles (21).

GREAT THINGS IN THE WORLD on device of bridges, 687,795, by the Red Band Chemica Co., Ltd., Edinburgh.

For soap flakes (3).

ROSE LEAVES, 688,226, by Alexander Finlar Ltd., Belfast. PETAL, 688,457, by David Hincl liffe & Son (1928), Ltd., Liversedge.

For shaving paste (3).

GRE-MOS, 690,627, by John Warr, Bedford.

For non-medicated toilet preparations (3). ERESCO, 690,615, by Aktiobolaget Hassle Apot Paul Norstroms Fabriker, Hassleholr WELLAFOAM, WELLASTRAL, 691,375-76, 1 Wella Rapid, Ltd., London, N.W.I.

For infants' and invalids' foods, bath oils, mea cated ointments, and toilet powders (5).

GLEN BRAND on device of glen, B679,241, I Carter Bros., Shipley.

For medical and surgical dressings (5). BAND-AID, 679,695, by Johnson & Johnson (C) Britain), Ltd., Slough.

For pharmaceutical preparations (5).

ALEUDRIN, 681,214, by D. H. Boehring Sohn, Ingelheim-am-Rhein. BEPHEN, B682,72 by Smith, Kline & French International Con Philadelphia. BAXOS, 683,601, by H. C. Sleig Ltd., Melbourne. SULPHATRIAD, 684,746, May & Baker, Ltd., Dagenham. CHEVASS B686,089, by Alexander Shannon Gallows Blackpool. MICROPAQUE, 687,836, by Dama Cy & Co., Ltd., Harrow-on-the-Hill. PROD CORT, 688,150, by Schering Corporation. No Jersey. CELEVAC, CELUVAC, 690,125-26, Harker Stagg, Ltd., London, E.I. HYPNA GESIC, APRIMA, 690,613-967, by Clinical Pa ducts, Ltd., Richmond. TUBERCAZON, 691,12

v/h Brocadesstheeman & Pharmacia, Amsterda For sanitary substances and disinfectants (5). MEK, 689,605, by Harry Ibbetson, Barking.

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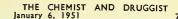
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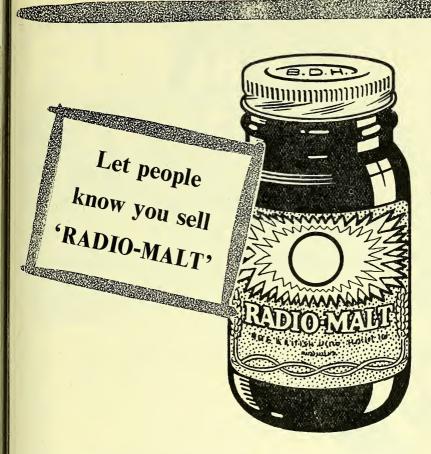
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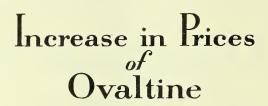
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sterilised bone calcium phosphate

Technical information, samples and quotations will be sent on request CALFOS LTD. IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2

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ON and from January 6th 1951 the prices of 'Ovaltine' will be as follows—

Retail Prices

Trade Prices

Small Size 1/6 each 14/5 per doz. Medium Size 2/6 ,, 24/- ,, ,,

Large Size 4/6 ,, 43/3 ,,

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'Ovaltine' is a scientifically prepared food based on the most modern scientific principles. It provides, in a concentrated and readily assimilable form, important nutritive elements required for reinforcing strength and vitality, and for building up body, brain and nerves. The outstanding health-giving and restorative properties of 'Ovaltine' are demonstrated by the fact that it is widely used by Hospitals and Nursing Homes throughout the world.

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Crystalline Penicillin G is unstable in solution. The addition of a suitable buffering agent overcomes this disadvantage. Investigation* has shown that the incorporation of 4.5 per cent, anhydrous sodium citrate permits the preparation of aqueous solutions of crystalline penicillin G which will retain their activity for considerable periods.

We have pleasure in announcing the availability, through our usual Distributors, of Buffered Crystalline Penicillin G, potassium salt, DC(B)L in the following packs:

200,000 i.u., 500,000 i.u., 1,000,000 i.u., in boxes of 5 vials,

5,000,000 i.u., and 10,000,000 i.u., in single containers,

selling at the same price as the unbuffered material.

* Clapham, Pharm, J., 1950. 165,126.

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Imperial Chemical (Pharmaceuticals) Ltd.,
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SILCOT PRICE INCREASE Result of Raw Material Advances

We much regret to advise our customers that recent heavy increases in the prices of various raw materials, particularly cotton, have compelled us, in common with other manufacturers, to advance the prices of Silcot Sanitary Towels as from 1st January.

For the same reason it has been found necessary also to increase the prices of Vensilla Soluble Towels.

SILCOT	Trade per doz. pkts.	Retail per pkt.
Size 0	$2i/i\frac{1}{2}$	2/4
,, I	$24/5\frac{1}{2}$	$2/8\frac{1}{2}$
,, 2	30/-	$3/3\frac{1}{2}$
,, 3	36/4	4/-
,, 4	43/3	4/9

19/-

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THE NEW PRICES ARE:

New Vensilla Wrapping.—To meet requests for a more opaque wrapping, Vensilla Soluble Towels are now being wrapped in brown Kraft paper.

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SILCOT

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DISCOUNT on orders of 6 dozen assorted P.A.T.A. Specialities or

71 % DISCOUNT on orders of 12 dozen assorted P.A.T.A. Specialities

The assortment must include not less than I doz. of a kind or size

OUR P.A.T.A. SPECIALITIES FOLLOWS:	ARE NO	W AS		Minimum Retail Price including Purchase Tax	Wholesale Price per doz. nett excluding Purchase Tax	Purchase Tax per doz.
Antexema				1/7	11/6	3/10
				3′/9	27/-	9/-
				6/3	45′/-	15/-
Antexema Granules				1/7	12/-	4/-
Chameleon Oil (for Human use)				1/7	11/6	3/10
				3/9	27/-	9/-
Chameleon Oil (Veterinary)	• • •	• •		2/6	16/-	5/4
				5/5	34/-	11/4
Potter's Asthma Remedy		• •	• •	2/5	18/-	6/-
		• •	• • •	2/5	18/-	6/-
Potter's Asthma Smoking Mixtur		• •	• •	$1/2\frac{1}{2}$	8/6	2/10
Potter's Catarrh Pastilles		• •	• • •	1/9	11/-	3/8
Potter's Stramonium Cigarettes	• •	• •		1/10	12/-	4/-
Kasbah Kidney Remedy				1/4½	8/6	2/10
Thompson's Dandelion Coffee, 1/2				2/6	24/-	No Tax
Thompson's Dandelion Coffee, I-	·lb. tins			$4/4\frac{1}{2}$	42/-	,,
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Thompson's Slippery E'm Food,	l-lb. tins			2/6	23/-	,,
Thompson's Slippery Elm Food, 2	2-lb. tins			4/6	42/-	"
Thompson's Slippery Elm Food, I	Jnmalted,	I-lb. t	ins	2/6	23/-	,,
Thompson's Slippery Elm Food, I	Jnmalted,	2-lb. t	ins	4/6	42/-	,,
Thompson's Slippery Elm Food, V	Vholemea	l, I-lb.	tins	2/6	23/-	,,
Thompson's Slippery Elm Food, V	Vholemea	l, 2-lb.	tins	4/6	42/-	,,
Will our friends in the	trado kindl		abaia C	,	-1. 1	.,

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Parcel "A" (Aerosols)
24 x small @ 6/9 each
12 x large @ 12/6 ,,
Extra Bonus Discount 5%

Parcel "B" (Flyspray) 36 x 10-oz. bottles @ 2/9 each 12 x 20-oz. TINS @ 4/3 each Extra Bonus Discount 2½%

Cooper's Household Aerosol scored a smash hit with the public last year, and demand exceeded supplies. This year, stocks will be much larger but still limited. Priority will therefore be given to orders placed before March 31st. Should demand be exceptionally heavy, it may be necessary to withdraw the Special Bonus Offer before this date, so please order without delay.



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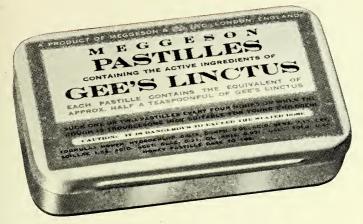
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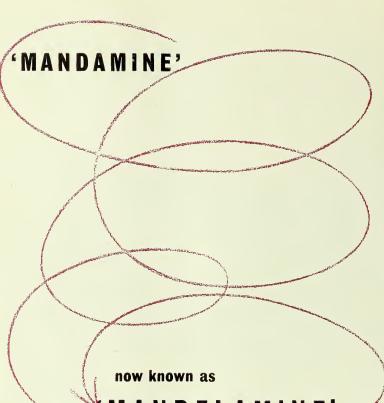
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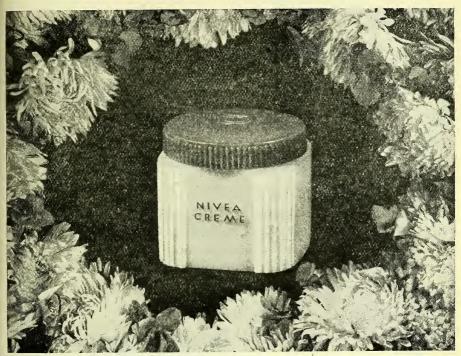
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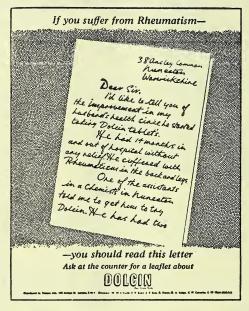
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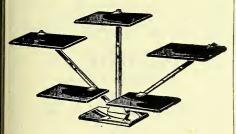
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Autrigen MINOR DE

National advertising will create a tremendous demand for NUTRIGEN, and that means tremendous sales—and repeat sales—for all stockists. Good mark-up, so order now!

Write for trade terms and information about dealers'

SIMMONDS-LOW HORTICULTURAL PRODUCTS

78-80 CHURCH ROAD, ACTON, LONDON, W.3.

THEY'RE **GOOD** • • with choice of three temperatures at will, thermostatic control, washable cover, made by specialists in their manufacture.

THEY'RE BETTER . • than others, because of the choice of high-grade components throughout.

THEY'RE BEST. • because of that extra care in construction and design which makes them so reliable.

THEY'RE

PERMAHEAT

ELECTRIC BLANKETS

Permaheat Ltd., Spectator Street, Manchester 4

FOR

PATENTS

DRESSINGS

PILLS & TABLETS

DANGEROUS DRUGS

DRUGS & GALENICALS

ETHICAL PROPRIETARIES

SMITH & HILL (Chemists) Ltd.

SIDNEY ST., SHEFFIELD, I



RESOPAN

LIQUIDS

will give

Maximum foaming and detergency in all waters

Manufactured under the most careful

control ensuring maximum efficiency and satisfaction to the user

SANDOZ PRODUCTS LTD., Bradford





CLINITEST

REGD TRADE MARK

one-minute tablet test for detecting urine-sugar

Doctors and diabetic patients appreciate the advantages of this convenient tablet method of detecting urine-sugar. Based on the same principles as the Benedict Test, 'Clinitest' provides a copper-reduction test with all reagents compressed in a single tablet.

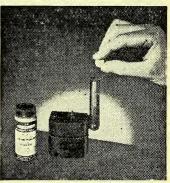
NO EXTERNAL HEAT REQUIRED. The heat is self-generated by the tablet.

SIMPLICITY. There are three simple steps. Place five drops of urine in a test tube, add ten drops of water. Drop one 'Clinitest' tablet into the solution and allow thirty seconds for reaction. Then compare with colour scale.

SPEEDY — **DEPENDABLE.** The test takes less than one minute but the sensitivity and reliability are equal to the other standard qualitative copper-reduction tests.

CONVENIENT — **PRACTICAL.** All essentials fit into a small pocket-sized container.





NEW PRICES TO THE PUBLIC

Complete Set, including 36 tablets - 10/-Refill Bottles (36 tablets) - - - 3/6

TRADE PRICES

Sets 80/- per doz. - - Refills 28/- per doz.

For complete information, illustrated leaflets for public distribution and trade terms, write to the Sole Distributors —

DON S. MOMAND LTD.
58 ALBANY STREET, LONDON NWI

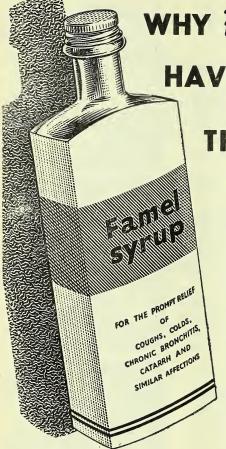
'CLINITEST' and the N.H.S.

'Clinitest' sets and refill bottles of tablets comply with the official specifications for appliances and reagents for urine sugar analysis which may be prescribed on Form EC10. The sets and tablets may be ordered under the brand name 'Clinitest' or under the official descriptions: 'urine sugar analysis sets,' and 'diagnostic solution-tablets of copper.'



Approved by the Medical Advisory Committee of the Diabetic Association

PRODUCT OF AMES COMPANY INC., ELKHART, INDIANA, USA



WHY FAMEL SALES HAVE JUMPOED

THIS WINTER

BIGGER ADVERTISING

The Famel campaign is on a far heavier scale than ever before. You'll see Famel advertisements again and again in the big National newspapers and magazines, in buses and trains, in the cinema. We say that the weight of this advertising is bound to tell—to send many more customers to your counter asking for Famel.

BETTER DISPLAY MATERIAL

For your windows and counters there is new display material — modern, strikingly original and compelling. We think you will agree that this material is an unusually fine sales-promoter.

THE BEST PRODUCT

You know Famel, the family Cough Syrup. Those of your customers who have tried it know it too—they'll want it again. But this winter many more people are demanding Famel.

You'll need good stocks to meet this extra demand. Order Famel now, and so take full advantage of a big sales opportunity—and remember to include Famel Pastilles.

Trade price per dozen. Small 18/-Large 27/- Family 90/- Pastilles 13/6 Usual generous quantity discounts Retail price 2/6, 3/9, 12/6 per bottle including Purchase Tax. Pastilles 1/10½ per tin, including Purchase Tax.

FAMEL COUGH SYRUP

KELDON LTD · PERIVALE · MIDDLESEX

Where experience

counts..2



Field of Henbane just before harvesting

Careful propagation, expert husbandry and carefully timed harvesting—all are vital to the raising of sound medicinal plants.

William Ransom & Son Ltd., have over 100 years'

experience of drug growing and their wide knowledge is reflected in the high quality of their products.

ACTUAL GROWERS OF

BELLADONNA · HENBANE
PEPPERMINT
FOXGLOVE · CHAMOMILE
LAVENDER

EXTRACTS

(Solid and Liquid)

TINCTURES · RESINS

OLEO-RESINS · RESINOIDS

ESSENTIAL OILS · CHLOROPHYLL



MANUFACTURING CHEMISTS AND GROWERS OF MEDICINAL PLANTS FOR OVER A CENTURY

WILLIAM RANSOM & SON LTD.

Hitchin Hertfordshire England



8 LEICESTER STREET, W.C.2

Tel.: GERRARD 611 (18 Lines) Grams: UNGLABOMAN LESQUARE, LONDON



'NIAGARA' Brand Blackcurrant Syrup is rich in Vitamin C and is thus specially suitable for children, invalids and nursing mothers. It contains not less than 20 mgms. Ascorbic Acid per fluid ounce, and sufficient is now available for all to be supplied.

RETAIL PRICE 2/10d. PER BOTTLE

Sole Makers:

BARNETT & FOSTER LTD.

'DIAKON' FOR SPARKLE

NYLON FOR SERVICE

The brilliance and clarity of a 'Diakon' acrylic moulding, combined with the lustre and durability of I.C.I. nylon, gives the perfect brush. This attractive hairbrush is an example of the excellence of modern brushmaking.

'Diakon' is the registered trade mark of the acrylic moulding powder manufactured by I.C.I.

Hairbrush made by Spa Brushes Ltd.

IMPERIAL CHEMICAL INDUSTRIES LIMITED LONDON, S.W.1



Introducing

« WB »

PAVACOL

PAPAVERINE - CODEINE COUGH SYRUP

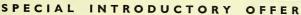
"Pavacol" is a balanced combination of papaverine hydrochloride and codeine phosphate together with tolu, glycerine, mild expectorants and other ingredients designed to produce an efficient and palatable cough sedative which is readily accepted by both adults and children.

INDICATIONS

Cough Sedative: For relieving coughs in all cases, particularly when associated with acute and chronic bronchitis, laryngitis and where incessant coughing prevents sleep.

Coryza: Diehl (J.A.M.A., 1933, 101, 2042) tried various methods of treatment for the common cold, the most successful being the combination of papaverine and codeine. Accordingly, Pavacol is recommended as soon as symptoms of coryza become apparent.

Packing: -- Bottles of 4 fluid ounces.



Orders for one dozen bottles received direct from Pharmacists will be invoiced as eleven only until 31st January 1951.

WARD, BLENKINSOP & CO., LTD., LONDON, W.1





MANUFACTURERS





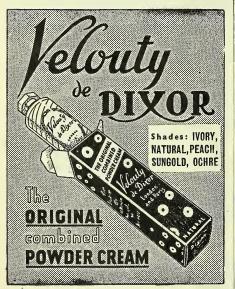
AYRTON SAUNDERS & CO. LTD.

Pharmacy's finest Service for Eighty years—and now

DRUGS GALENICALS PENICILLIN TABLETS
PACKED GOODS PROPRIETARIES SUNDRIES
FANCIES CORKS and BOTTLES

32-36 HANOVER STREET
Laboratories: 32-42 DUKE STREET

LIVERPOOL



DIXOR LTD St. Leonards Works, Mortlake, S.W.14

With a name that is a guarantee and a recommendation

Southalls PAPER HANDKERCHIEFS

MAKE SURE that you are fully stocked up with these paper handkerchiefs that bear a famous name—order them now from your whole saler. They sell to the public in attractive packets, 20 for 6d., and are supplied to you in parcels of 3-dozen packets, at the trade price of 49/3d. per gross packets. Southall paper handkerchiefs are 9" square, with an embossed fancy border, and are made of 3-ply pure cellulose wadding.

SOUTHALLS (Birmingham) Ltd.

SH.I.

RELIABILITY AND RECOM-MENDATION are continuing to contribute to the increasing demand for this popular and effective aid in the prevention and treatment of the common cold and related conditions.



New and attractive SHOWCARDS available on request

OHN BELL, HILLS & LUCAS LTD.

Oxford Works, Worsley Bridge Road, London, S.E.26



I took VULFIX straight on the chin!

And I kept it there, whipping up a whisker wilting lather in a wink!

VULFIX "SERVICE" obtainable through all wholesalers Retail at 3/11, 5/11, 6/9, 8/6 each

THE BRUSH WITH THE

TWO YEARS GUARANTEE



ROGRESS SHAVING BRUSH Co.

Mottram Street, Stockport Phone: STOckport 2147 49 Leadenhall Street, London, E.C.3 Phone: ROYal 2857





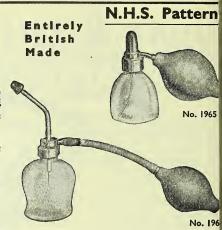
SAMCO Atomisers and Sprays differ from types in general use in that each model is a Scientific instrument specially designed to handle all types of spraying compounds without the necessity to adjust the nozzle of the instrument in any way.

Each Instrument is manufactured and assembled to mathematically exact limits thereby assuring uniform performance.

Materials of the finest quality only are used and all components in direct contact with fluids are made of pure nickel, which is impervious to every known substance used in medical prescriptions.

All components are heavily chromium plated.

All SAMCO models are pressure operated, thus ensuring complete atomisation.



Supplies available from your usual wholesaler . . .

ACTUAL MANUFACTURERS

Phone: EUSton 1757 & 5514

S. MURRAY & Co. Ltd.

45 ST. PANCRAS WAY LONDON N.W.

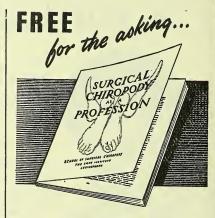
Drastic cuts in

FEMEX'

Sanitary Towels

Femex No. 1....18/-...2/Femax No. 2....22/6...2/6
Femex No. 3....27/-...3/Naternity.....27/-...3/Soluble No. 1....15/9.../9
High Quality unchanged
IMMEDIATE DELIVERY

WILFRED STRETCH & G.
LIMITED
CASTLETON · ROCHDALE



Most of the training necessary to qualify for a Diploma in Chiropody can now be taken at home by specialised correspondence lessons. Fullest particulars of how to enter this highlypaid profession from:

SCHOOL OF SURGICAL CHIROPODY
(Dept. CD)
LEATHERHEAD, SURREY



QUALITY AND SERVICE

GALENICALS TABLETS
CAPSULES INJECTIONS
PENICILLIN PREPARATIONS

DUNCAN, FLOCKHART & CO., LTD.

National Advertising of RADIAN B

the aspirin spirit liniment—has promoted a teady demand. CHEMISTS are asked to foster his goodwill by maintaining adequate stocks



Telephone: VANdyke 2692

Telegrams: Radiatonal, Van. London.

Professional samples and literature on request

Distributor for Midland Area:—
JOHN KNOX (Stoke - on -Trent) Ltd.

for S. Western Area:—
J. R. GIBBS Ltd., Manor Avenue,
Paignton

Other areas from Local Wholesalers or direct from London



Zoflora, the spray-disinfectant, is now advertised in popular "home" magazines with an estimated readership of 16,300,000. This is making custom for you, because each advertisement directs housewives to their chemist.

May we send you a trial order and show material?

RETAIL: 2/- per bottle. Complete Spraying Outfits, 10/- and 21/-

Usual Trade Discounts TZ 22

THORNTON & RO

LINIHWAITE LABORATORIES . SUDDERSFIELD

RECOMMEND

with confidence

PENETRATES and REBUILDS DAM-AGED TISSUE in SKIN ILLNESSES

Remarkable for the Treatment of Burns, Spots, Rashes, etc.

BIO-COLLOIDS LTD., Altrincham, Cheshire

AMPOULE FILES MADE

are now available

We are now in a position to manufacture large quantities of Ampoule Files and invite inquiries

DOMINION STEEL CORPORATION

"FLEET" WORKS OUEEN'S ROAD, SHEFFIELD, 2



EUCALYPTUS OIL B.P.

WIDOW WELCH'S FEMALE PILL

9d. BOX PROFIT by ordering 1 doz 3/3½ size. Bonus given on evodozen (13). It pays to push this s C. & G. KEARSLEY LT

71 Dartmouth Rd., London, S.E. Est. 1787

E PILLS



Cystex

for BACKACHE, RHEUMATISM



Mendaco

for ASTHMA, BRONCHITIS, HAY FEVER



Cystex and Mendaco are of world-wide repute, speedy in action and do all that is claimed for them—apart from being ready sellers.

REGULARLY ADVERTISED

Cystex and Mendaco are continuously advertised in the National Newspapers, the Provincial Press and in a wide range of periodicals and magazines. The advertising introduces and creates new customers—the efficacy ensures repeat orders and recommendations.

Supplies through your usual wholesaler.

Other Knox products include Diotex, Hytex, Nixoderm, Koladyne.

KNOX LABORATORIES LTD., 29 Duke Street, St. James's, London, S.W.I

DUTCH DROPS

made to the Original Dutch Formula

4/- DOZ.

CAPSULES in boxes of 36



Manufactured in England by

Brook, Parker & Co., Ltd.

"When I sell a bottle of . . .

MIRACLE MIXTURE I make a friend"

Thus writes a Chemist who has a big Trade with Dog Owners

There is no medicine in this Country which has saved the lives of so many poorly dogs. There is no more elegant preparation. None which gives such certain and speedy relief and none which shows you a better return for your sales in good wishes and financial benefit.

Get in touch now with :--

THE HATCHWELL CO. LTD BYRON STREET, PRESTON, LANCS

Telephone: Preston 5118

F. SCHUTZE & Co., LTD.

For "MASTER" BRAND SURGICAL TRUSSES SUSPENSORY BANDAGES JOCK STRAPS, etc., etc.

PERFUMERY BOTTLE WICKERERS in RAFFIA or SILK, plain or fancy, wide range of designs. Own bottles wickered at moderate cost

Black Bull Works, Market Road London, N.7

YERBA MATE

FAMOUS HEALTH TEA FROM SOUTH AMERICA Wonderfully sustaining and nourishing. Can be boiled or brewed, or mixed with ordinary tea Nümerous unsolicited testimonials received for it Packed in §1b. packets. Retails at 1/9 Trial order of I dozen sent post paid for 16/-BATLEY & CO., Upper Brook St., Stockport

"CELLOPHANE" BAG

A FEW STOCK SIZES. ALL PER 1,000

1½ x 2½ . 14/- 3½ x 6½ . 33/- 5 x 5 . . 3

2½ x 4 . . 20/- 4 x 4 . . 26/- 5½ x 6½ . . 4;

3 x 5 . . 27/6 4 x 7 . . 38/6 5 x 9 . . 5(

3½ x 6½ . . 33/- 4½ x 8 . . 42/- 5½ x 10 . . 5

"CELLOPHANE" SHEETS FOR WRAPPI!

Also ROLLS and SHEETS PLAIN and COLOU

Large stocks of WINDOW DRESSING PAPERS, I
SAMPLES WITH PLEASURE

ALLAN'S 37, FARRINGDON STREET, LONDON E
PHONE: CENTRAL 5947 - GRAMS: SURFLECTA CENTRO
(UNDER HOLBORN VIADUCT) Business Hours: 9 am to 6 p.m. Closed Satu

NATIONAL ASSOCIATION OF OPTICIAN

The next examination will be held at London i March 1951. Entrance forms for Fellowshi Honours, Contact Lens, and Orthoptics Examination may be obtained from

The Secretary, N.A.O. 8 Victoria Street, Liverpool, 2

Sole Manufacturers: JEFFREYS,
MILLA MALT
Wigan. (London Dept. 19 Brookside Rd, N.19)
BECAUSE OF THE BUTTERSCOTCH FLAVOUR

Owing to increased costs of ingredients and production

C.E. Fulford Ltd.,

reluctantly announce the following revised prices for

BILE BEANS

New Retail Selling prices (inc P.T.)	New "Smalls" Terms from Wholesaler per doz.	New Best Direct Display Parcel Terms per doz.	New Purchase Tax per doz.
9d.	5/3	4/9	1/9
1/9	12/9	11/6	4/3
4/-	29/6	26/3	9/10
7/3 (96 Twists at 3 for 3 d.)	56/-	55/6	18/8

These new prices which became effective from 29th December 1950 in each case include higher profit for the Retailer — see full list of terms circulated to all chemists — extra copies available on request.

C. E. FULFORD LTD., CARLTON HILL, LEEDS, 2

the NEWMAN
6 Point Labellers

COMPACT-Portable and sturdy.

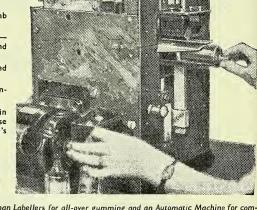
ABSOLUTE PRECISION—Every label plumb

SMOOTH RUNNING — Practically silent bottles cannot jam. Safe and easy to operate.

MAXIMUM OUTPUT—2,400 bottles labelled every 60 minutes.

VERY SIMPLE MAINTENANCE—Gives continuous performance.

GUARANTEED—Such is our confidence in the workmanship put into these machines that we give year's guarantee.



NEWMAN

There are other Newman Labellers for all-over gumming and an Automatic Machine for completely or partly labelling small cylindrical objects fram %" to 1 %" diam. Details on request D. TRAPOW & CO. LTD., ENGINEERS, (DEPT. 1), 113 REGENTS PARK RD., CHALK FARM, LONDON, N.W.1 Phone: PRImrose 6688





I, 3 and 5 COMMERCIAL ROAD, LONDON, E.I Opposite Aldgate East Station. Phone: BIS 6751 (3 lines) Branches: DEPTFORD, S.E.8;

WOOLWICH, S.E.18; CLAPHAM, S.W.11



We wish those Containers Many Happy Returns

We really do welcome back your containers.

They can be used again.

It is a grand help to the deliveries of further supplies.

Look after your C.R.S containers and you will be helping to close the dollar gap.

CONTAINER RECOVERY HELPS NATIONAL RECOVERY

Container Recovery Service S.P.D. Limited, 3-5 Salisbury Square, London, E.C.4



6 oz. Best
White Sulphite
SEND FOR
SAMPLE ROLL
and
COUNTER
DISPLAY
STAND

HUNT & COLLEYS LIMITED HUCKNALL RD., NOTTINGHAM. Tel. 61088-9

STANDARD SYNTHETICS

Actual distillers of Essential Oils

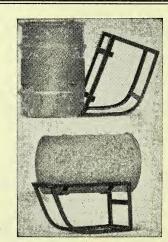
Manufacturers of Aromatics, Perfume

Bases and Flavours.

We specialise in Cinnamon Bark Oil,
Juniper Berry Oil, Wintergreen Oil, Eucalyptol,
French Lavender Oil, Terpeneless Lemon Oil, Rose
Perfumes, etc.

76 Glentham Rd., Barnes London - S.W.13

Telephone:-Riverside 3616



TYNE TRUCK & TROLLEY CO. LTD
First Avenue, Team Valley Estate
Gateshead-on-Tyne, 11
Tel. Low Fell 77104 and 77105

Important Announcement

Toddilox PRICE INCREASE

Despite every effort to maintain our policy of *no price increases* the steadily rising costs of raw materials have more than offset economies effected by the installation of up-to-the-minute plant and a complete overhaul of our production line. As a result we are reluctantly compelled to increase the retail price of "Toddilox" from $2/2\frac{1}{2}$ to $2/7\frac{1}{2}$ (inclusive of purchase tax) as from February 1st. Trade discount will remain unaltered.

LIRELIX

Whilst we have had to face the same difficulties in the production of "Lorelox," the enormous increase in sales during the past twelve months enables us to leave the retail price of $2/7\frac{1}{2}$ (incl ding tax) unchanged.

Advertising

Increases in sales must, to an extent, be attributable to a larger volume of advertising to the public but we are well aware that the Retailer, in recommending our products, has himself contributed very largely to widening the demand. It would be unfair to weaken in any way such support as we are able to give him by advertising in the National Press and in magazines, though the cost of doing so has risen by as much as $22\frac{1}{2}\%$. Retailers may therefore rely on at least the same volume of vigorous advertising during 1951.

Maureen Baun Limited . Bury . Lancs.

SPOT or FORWARD DELIVERY

LICORICE SPECIALISTS

A. ELDER REED & CO. LTD.

Battersea High St., London, S.W.II

Branch Office :

Corporation Street, Birmingham, 4

Speaking of NORTHERN IRELAND

Belfast Telegraph

WILL REMIND YOU OF

The Newspaper with the largest circulation in Northern Ireland. Read in the homes of the people throughout the whole of this important industrial and agricultural part of the

UNITED KINGDOM

HEAD OFFICE:

HONDON OFFICER
HIS FLEET STREET,
LONDON, E.C.A

Wholesalers!

IT'S READY NOW!

THE NEW

ROYWOPP 1951 CATALOGUE

A quick-reference, lightweight Catalogue showing the complete range of RAYWARP'S well-adversised Hair Nets, Sleeping Nets and Boudoir Caps—with full details, prices, colours, etc. Saves space and time for your Travellers and OPENS up the way to sure profits. Retailers are asking for Raywarp Nets!



RAYWARP TEXTILES LTD.

ALFRED STREET NORTH, NOTTINGHAM

THIS NEW FULL-COLOUR DISPLAY CARD to boost your sales?

BISURATED MAGNESS

Quick Relief
Indigestion

So make 'Bisurated' Magnesia

the centre of your

I.C.C. £10 mixed parcel

Display this excellent selling aid to remind your customers of 'Bisurated' Magnesia at the point of sale.

Choose the remainder of your £10 mixed parcel from these products ANADIN BISODOL KOLYNOS Preparations ANNE FRENCH Cleansing Milk FREEZONE Corn Remover LYSTONE Salts PINEATE Honey Cough-Syrup REUDEL Bath Salts

Buy 'Bisurated'

Magnesia in the £10 parcel and sell it with the display card.

Look at your profits!

★ Your return £13.6.8 Your outlay (£10 less 12½%) £8.15.0

Your Profit £4.11.8

'Bisurated' Magnesia

INTERNATIONAL CHEMICAL COMPANY LTD., CHENIES STREET LONDON W.C.I

Announcing

New Consumer Prices

FOR TWO J. B. WILLIAMS SHAVING PREPARATIONS



WILLIAMS LUXURY
SHAVING CREAM
INCREASED

FROM 1/10d. per tube TO 2/-

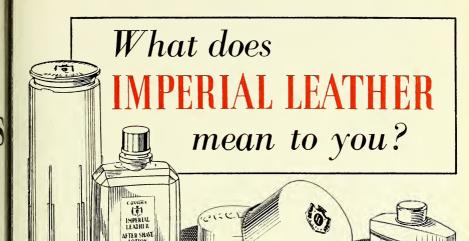


WILLIAMS ESQUIRE BRUSHLESS SHAVE INCREASED

FROM 1/9d. per tube TO 2/-

THE RATIO OF PROFIT REMAINS
THE SAME

Sole Distributors: SCOTT & BOWNE LTD., 50 UPPER BROOK ST., LONDON, W



A FASCINATING perfume? A standard of quality noticeably better than the rest? A full range of toilet luxuries that find instant acceptance from your customers? The usual answer is all of these things. For the national advertising which has created so great a demand has done so mainly because it has directed attention to products of exceptional merit.



CUSSONS SONS & CO. LTD

84 BROOK ST, GROSVENOR SQ, LONDON W.1

The knowledge and long experience of the COX ORGANISATION, and the technique of their experts are freely available to those who contemplate production of PRIVATE FORMULAS.

Our manufactures are not limited to TABLETS and PILLS; we produce innumerable Pharmaceutical preparations.

CONSULT US ABOUT YOUR SPECIAL NEEDS FOR 1951



BRIGHTON 7. GUSSEX • ENGLAND